

LINE NO	LIST OF DRAWINGS	DRAWING NUMBER	DRAWING NUMBER	DRAWING NUMBER	DRAWING NUMBER	DRAWING NUMBER	DRAWING NUMBER	DRAWING NUMBER	DRAWING NUMBER
1	CASE, TOOL	D34005			A 69976	D157483	C67840	D34004	95B41
2	SWITCH AND SOCKET	A170205	A9597	A169924	A 69983	D 57484	C67843		DCN43
3	CONNECTION	A170206	A9598	A169923	A170061				BTAX1
4	WASP	A169792	A17950	A169924	A43876				BTAX1
5	HINGE	A169753	A18044	A169925	A170172				BMX41
6	REINFORCE	A169911	A18146	A169926	A170173				BMX42
7	CONNECTION	A169977	A18251	A169927	A170179				SEAXZ
8	DOOR	D157481	A169910	A169928	A170183				BMX41
9	BOTTOM	D157482	A43876	A169925					BAWX2
10	TRAY	D157496	A169912	A169930					
11			A169913	A169931					
12	LID	C68367	A169914	A169932					
13	SEPARATOR	C68368	A169915	A169933					
14	LIST OF AUTHORIZED ASSEMBLIES	D167548	A169916	A169934					
15	BODY AND SEPARATOR	D34261	A169917	A169935					
16	LIST OF PARTS	D156823	A169918	A169936					
17	LIST OF PARTS	D156823A	A169919	A169937					
18	LIST OF PARTS	D156823B	A169920	A169938					

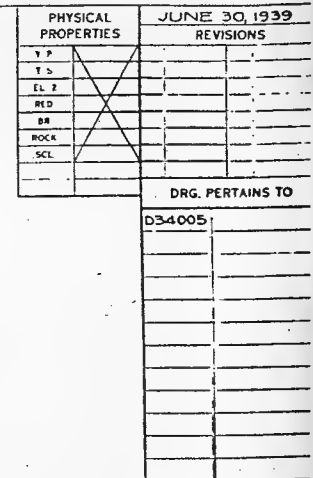
8 PERTAINS TO ALTERNATE DESIGN

\* FINDING DIAGRAM

2 1 2 3 4 5 6 7 8 9 10 11 INCHES

JUNE 30, 1939		CLASS	REVISION	DATE
REVISIONS				
1	4-12-40	G	11-1-41	
2	5-15-40			
3	1-8-42			
4	5-15-42			
5	11-1-43			
DRG. PERTAINS TO		HMA	AWR	37
D34005		SUBMITTED		
		EXAMINED		
		APPROVED BY OFFICE AND THE CHIEF OF BUREAU		
D34005		ORDNANCE DEPT. U.S.A.		
		MADE AT ROCK ISLAND ILL		

MICROFILM - A44 - 731



\* FINDING DIAGRAM

SYMBOL

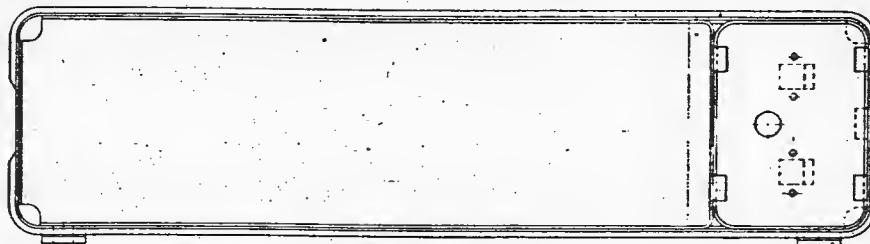
SEARCHED	INDEXED	SERIALIZED
<i>mgk</i>	<i>170</i>	
<i>200</i>	<i>105</i>	
SUBMITTED		

APPROVED BY ORDER OF THE CHIEF  
ORDNANCE  
ORDNANCE DEPT. U. S. A.

MADE AT ROCK ISLAND ARSENAL

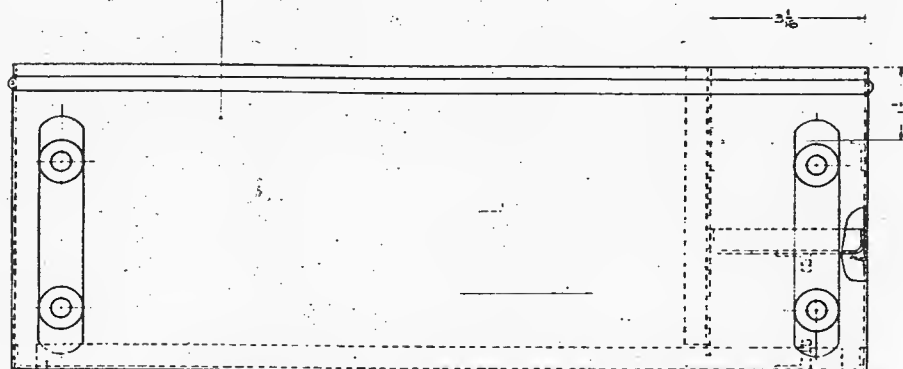
770

SEPARATOR-C68368 \*



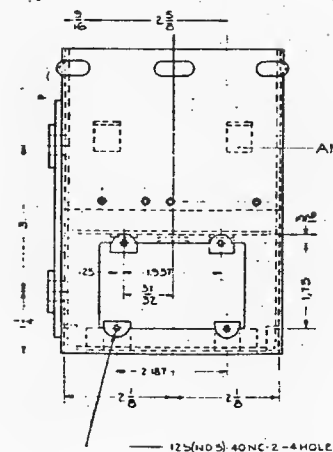
REINFORCE-A169911\*

STAMP PIECE MARK



BOTTOM-B157482 \*

BODY AND SEPARATOR (SPOT WELDED) (D34261)



---ANGLE-A169923

## \* FINDING DIAGRAM

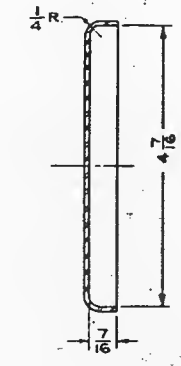
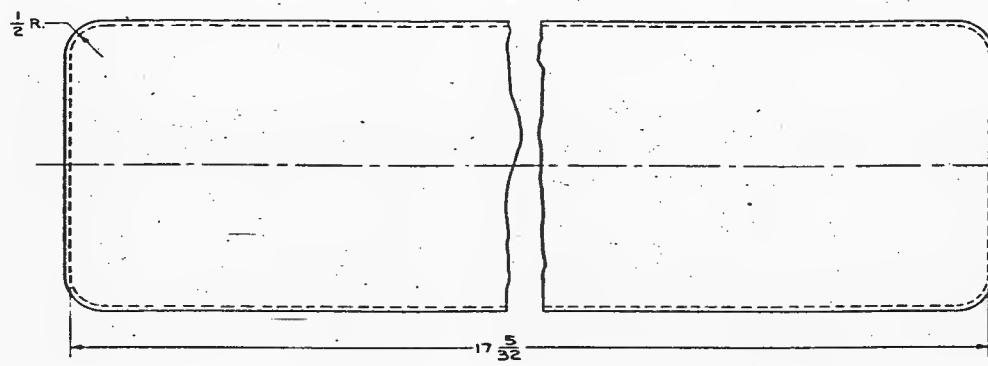
JUNE 30, 1959		CLASS	Workdays	Signature
REVISONS				
1	4:12-40	SYMBOL		
DRG. PERTAINS TO		APPROVED	REASON	FILE
034005		H M A		
		A W R		50
		SUBMITTED:		
		EXAMINED:		
		APPROVED BY SUPERVISOR, THE		
		ORDNANCE DEPT. U.S.		
D34261		MADE AT ROCK ISLAND		

RELATIONSHIP OF DIMENSIONS  
OF OTHER WIRE IDENTIFIED  
DECIMAL :  
FRACTIONAL :  
ANGULAR :

MICROFILM - A 44 -

723

PHYSICAL PROPERTIES		JUNE 30, 1939
		REVISIONS
Y P		1 4-12-40
T S		
EL 2		
PH		
SW		
B.H.A		
NCL		
		ORG. PERTAINS TO



PIECE C67840  
PLAIN CARBON STEEL  
 1/16 THICK, HOT ROLLED,  
 PICKLED, DEEP DRAWING

NOTE:-  
 MAKE TO FIT BODY AND SEPARATOR, D34261.  
 REMOVE ALL SHARP EDGES.

ALL DIMENSIONS  
 NOT OTHERWISE SPECIFIED  
 DECIMALS  
 FRACTIONS 2  
 ANGLES 2

SYMBOL	
DESIGNED BY	DATE
APPROVED BY	DATE
SUBMITTED-	
APPROVED BY ORDER OF THE CHIEF OF ENGINEERING	
ORDNANCE DEPT. U. S.	

SCALE + C67840

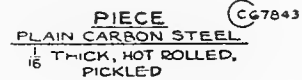
MADE AT ROCK ISLAND MI

MICROFILM - A 44 - 772



DRG. PERTAINS TO

81574821



MADE AT ROCK ISLAND ARSEN

SCALE  $\frac{1}{1}$  C67843

MICROFILM - A 44 -

729

Y P	
TS	
EL?	
RED	
BR	
SCL	

DISK - A166315

TUBE

RING-D36224

78 00 ± 03  
LENGTH OF TUBE

3978: 21

9.81±0.04

28 07 C METRAL TAPER: 0.247 PER INCH  
(REFERENCE)

300

335, 24, 12 TAPER: 72943 PER 177  
REFERENCE:

441	224	32500	1.2
225	224	31059	X 52
441	224	31477	

DIAMETRAL TAPER .2594 PER INCH  
(REFERENCE)

NOTE - PERMISSIBLE LEADER : 202 PLATFO

TUBE

FOR TUBE BENDING SEE LIT. 1423

RADIUS OF CUTTER.

SCALE 2

SCALE  $\frac{1}{4}$  - 420 LOCATION OF THREAD ON  
- 501 MAJOR DIAM AT TOP OF VERTICAL C  
- 3075-005- - B

4749-003 MAJOR DIAM  
1449-003 MINOR DIAM

SCALE

NOTE:- COPPER PLATE, USING SULPHATE AND  
CAST IRON FILINGS DISSOLVED IN WATER

SECTION 89

SCALE 1  
SECTION AA

GUN, 37 MM. M3  
GENERAL DRAWING

NOVEMBER 9 1939	11:45	3	VISION	DRAWING	F
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REVISIONS	51	100	2
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51	100	2	
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SYMBOL	
--------	--

SYMBOL
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DRG PERTAINS TO	•UP	NGT	2
-----------------	-----	-----	---

001	002	003	004	005	006	007	008	009	010	011	012	013	014	015	016	017	018	019	020	021	022	023	024	025	026	027	028	029	030	031	032	033	034	035	036	037	038	039	040	041	042	043	044	045	046	047	048	049	050	051	052	053	054	055	056	057	058	059	060	061	062	063	064	065	066	067	068	069	070	071	072	073	074	075	076	077	078	079	080	081	082	083	084	085	086	087	088	089	090	091	092	093	094	095	096	097	098	099
001	002	003	004	005	006	007	008	009	010	011	012	013	014	015	016	017	018	019	020	021	022	023	024	025	026	027	028	029	030	031	032	033	034	035	036	037	038	039	040	041	042	043	044	045	046	047	048	049	050	051	052	053	054	055	056	057	058	059	060	061	062	063	064	065	066	067	068	069	070	071	072	073	074	075	076	077	078	079	080	081	082	083	084	085	086	087	088	089	090	091	092	093	094	095	096	097	098	099

С 7 К	С 7 К	С 7 К
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2112

12/1/50

1140 N. 44.

1/8 release

[illegible]

2. 11. 11.

1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2597, 2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658, 2659, 2660, 2661, 2662, 2663, 2664, 2665, 2666, 2667, 2668, 2669, 2670, 2671, 2672, 2673, 2674, 2675, 2676, 2677, 2678, 26

ORDNANCE CERT. NO.

ORDINANCE SEP 1. 5. 0.

MICROFILM - A 44 -

~~HEAT TREATMENT & FINAL FINISH~~39 76  
± 0.4

64

125  
500

## LETTERS

OR NAME OF MANUFACTURER

MARKING ON TOP OF TUBE  
ONAL TO APPLY LONGITUDINALLY OR  
CIRCUMFERENTIALLY BY ROLLING OR  
STAMPING

TLBE © 036398  
FINISH EXCEPT AS NOTED

NOTE: UNLESS OTHERWISE SPECIFIED  
CORNERS 03R-01 FILLETS 02R-01  
FOR CHAMFER DETAILS SEE DRAWING 88082  
FOR TUBE FORMING SEE DRAWING 036221

500  
PITCH R.H. = 15° 0'  
20° 5'

025 R  
005  
015 R  
005

22  
+0.01

NOTE: PERMISSIBLE LEAD ERROR ± 002 PER FOOT

SCALE  $\frac{4}{1}$  - - 420' LOCATION OF THREAD :  
- - 001 ON MAJOR DIAM AT TOP OF VERTICAL

RADIUS OF CUTTER

4.749-003 MAJOR OIAM -  
1449-003 MINOR OIAM -

SECTION B-E

IGI

10.1

3 1/4 - 12 N - 3.  
MAJOR OIAM 3 2500 - 0112  
PITCH OIAM 3 1959 - 0052  
MINOR OIAM. 3 1478 MAX.

$$90^{\circ} \pm 0^{\circ}10'$$

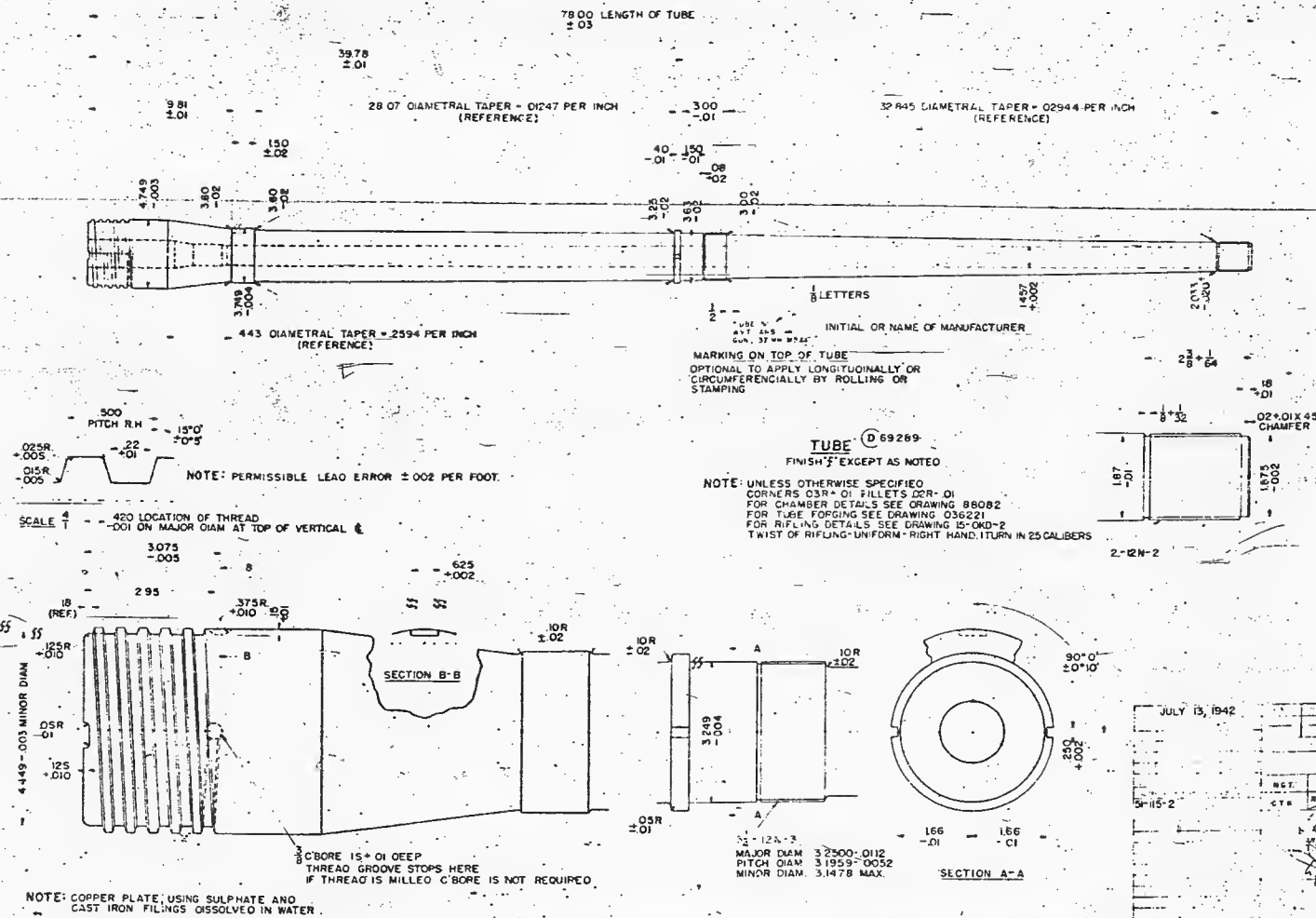
SECTION A-A

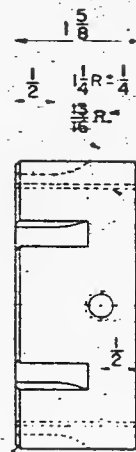
SCALE:  $\frac{2}{3}, \frac{1}{1}, \dots$

3/8" BORE 15 ± 0.01 DEEP  
THREAD GROOVE STOPS HERE  
IF THREAD IS MILLED BORE IS NOT REQUIRED

NOTE: COPPER PLATE, USING SULPHATE AND  
CAST IRON FILINGS DISSOLVED IN WATER

[illegible]





3.2500-MAJOR DIAM.  
3.1959+.0052-PITCH DIAM.  
3.1598+.0090-MINOR DIAM.

THIS FACE MUST BE HELD  
PERPENDICULAR TO THE THREADS  
WITHIN .0015

$$\frac{1}{16} \times 45$$

3-16 NC-3

NUT  
ALLOY STEEL  
FINISH }

(B 8448

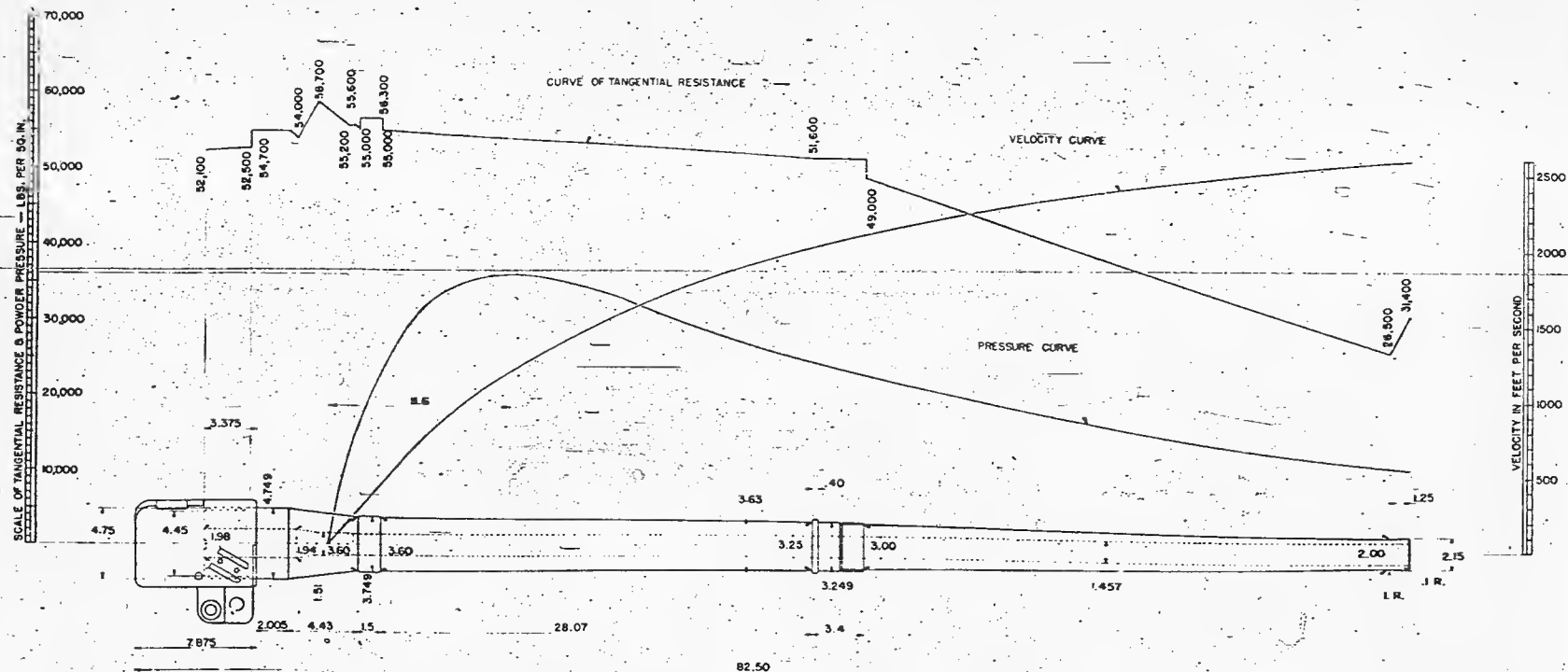
NOTE: EXCEPT AS NOTED, CORNERS .03 R., FILLETS .02 R.

SCALE:  $\frac{1}{4}$

B8448

[illegible]





#### CHARACTERISTICS OF GUN

LENGTH OF BORE IN CALIBERS.....53.5  
 MUZZLE VELOCITY.....2600 F.S.  
 VOLUME OF CHAMBER.....19.92 CU. INS.  
 WEIGHT OF PROJECTILE.....1.92 LBS.  
 WEIGHT OF CHARGE.....8.025  
 TRAVEL OF PROJECTILE.....69.95  
 DENSITY OF LOADING......695  
 MAXIMUM POWDER PRESSURE.....36,000 LBS. PER SQ. IN.  
 WEIGHT OF GUN.....191 LBS.

FOR CHAMBER DETAILS SEE DRAWING 88082  
 FOR RIFLING DETAILS SEE DRAWING 15-OKD-2  
 TWIST OF RIFLING — UNIFORM — RIGHT HAND. 1 TURN IN 25 CALIBERS.

#### GUN, 37MM. M3 BALLISTIC DRAWING

REVISIONS	CLASS	DIVISION	DRAWING FILE
51	100	3	
SYMBOL			
SUBMITTED BY			
EXAMINED BY			
APPROVED BY			
D			

DRG. PERTAINS TO

ORDNANCE OFFICE, WAR DEPT.

HEAT TREATMENT & FINAL FINISH

DESIGNED	
BY	
DATE	
REVIEWED	
DATE	
APPROVED	
DATE	

BREECHBLOCK-D36225

LATCH-BB437

STOP-A25203

PIN-BFDXIES

HANDLE, OPERATING-C70401\*

SPRING-A25202

BUSHING-A25199

SPRING-A25207

GUIDE-A25200

PIN-BFDX2CC

STAKE AT ASSEMBLY

LEVER-BB443

SEAR-88445

CATCH-B8438

PLUNGER-A25205

SPRING-FAAXIF

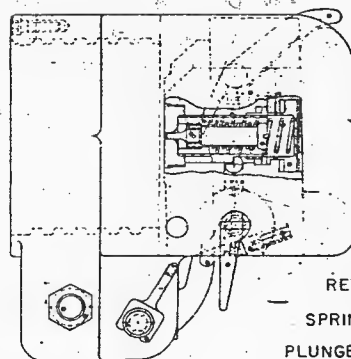
SCREW-BCKX2EH

STAKE AT ASSEMBLY

PIN-BFDX48P

SPRING-A25206

PIN-BFDX18F



SPRING-A25234

PIN-A25201

RETAINER-88444

SPRING-FAAXIF

PLUNGER-A25209

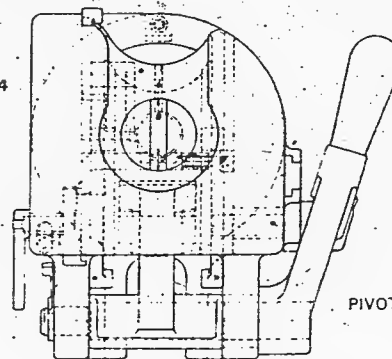
TRIGGER-88446

TRIPPER-B8447

NUT-BBSX4AG

KEY-A25215

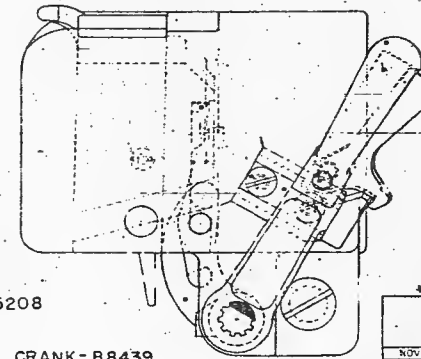
DETENT-A25213



PIVOT-A25208

EXTRACTOR R.H.-884418

EXTRACTOR L.H.-88441A



CRANK-B8439

\* FINDING DIAGRAM

# BREECH MECHANISM ASSEMBLY

NOVEMBER 9, 1939	CLASS	INSTR	CH	INSTR	MM	FILE
REV. 1045	7	1044	ST	100	ST	
2	1044					
3	1044					
4	1044					
5	1044					
6	1044					
7	1044					
8	1044					
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100	1044					

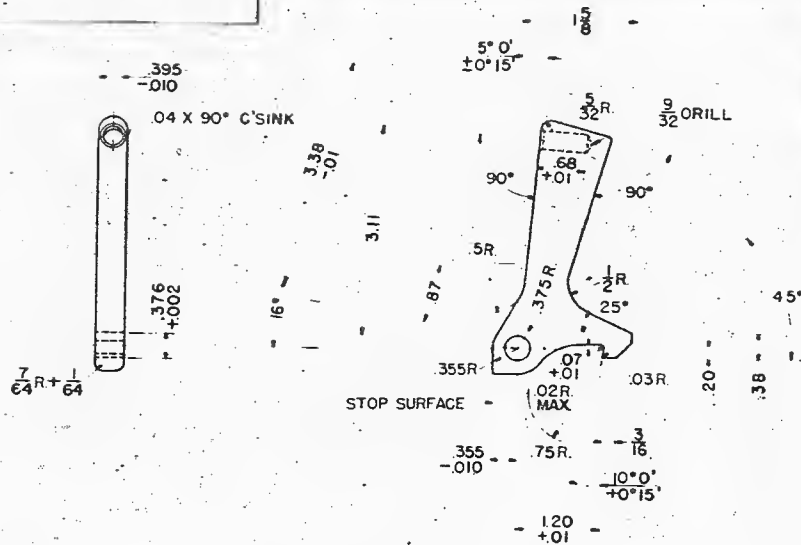
D69288

ORDNANCE DEPT L S A

0 1 2 3 4 5 6 7 8 9 10 INCHES



HEAT TREATMENT & FINAL FINISH  
CARBURIZE LATCH SURFACE .01 DEEP



PHYSICAL PROPERTIES		DECEMBER 22, 1938	
		REVISIONS	
Y.P.		1	10-2-40
T.S.		2	3-7-41
EL. 2			
RED			
BR			
ROCK	A78 A82		

DRG. PERTAINS TO

51-100-5  
51-104-5  
036565  
D69288

DESIGNED BY  
E.J.H. M.L.S.  
CHECKED BY  
I.P.H. I.P.H.

SUBMITTED  
H. L. Lauer

MAJOR ORD DEPT U.S.A.  
APPROVED BY ORDER OF THE  
CHIEF OF ORDNANCE  
G. H. H. H.

MAJ. ORD DEPT U.S.A.  
ORDNANCE DEPT U.S.A.

LATCH (B8437-2)  
STEEL WO 3415  
FINISH  $\frac{1}{8}$

NOTE: UNLESS OTHERWISE SPECIFIED  
CORNERS .06R. +.01

SUPERSEDES OLD TRACING B8437  
UNDER REVISION DATE OF MARCH 7, 1941

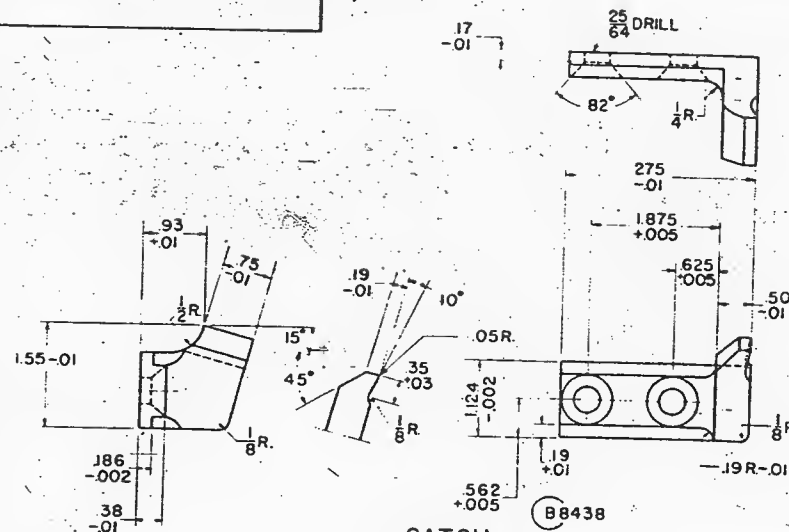
SCALE  $\frac{1}{8}$  B 8437

MICROFILM - A44 -

26

HEAT TREATMENT AND FINAL FINISH

HEAT TREAT



CATCH

STEEL WD 3450 4140

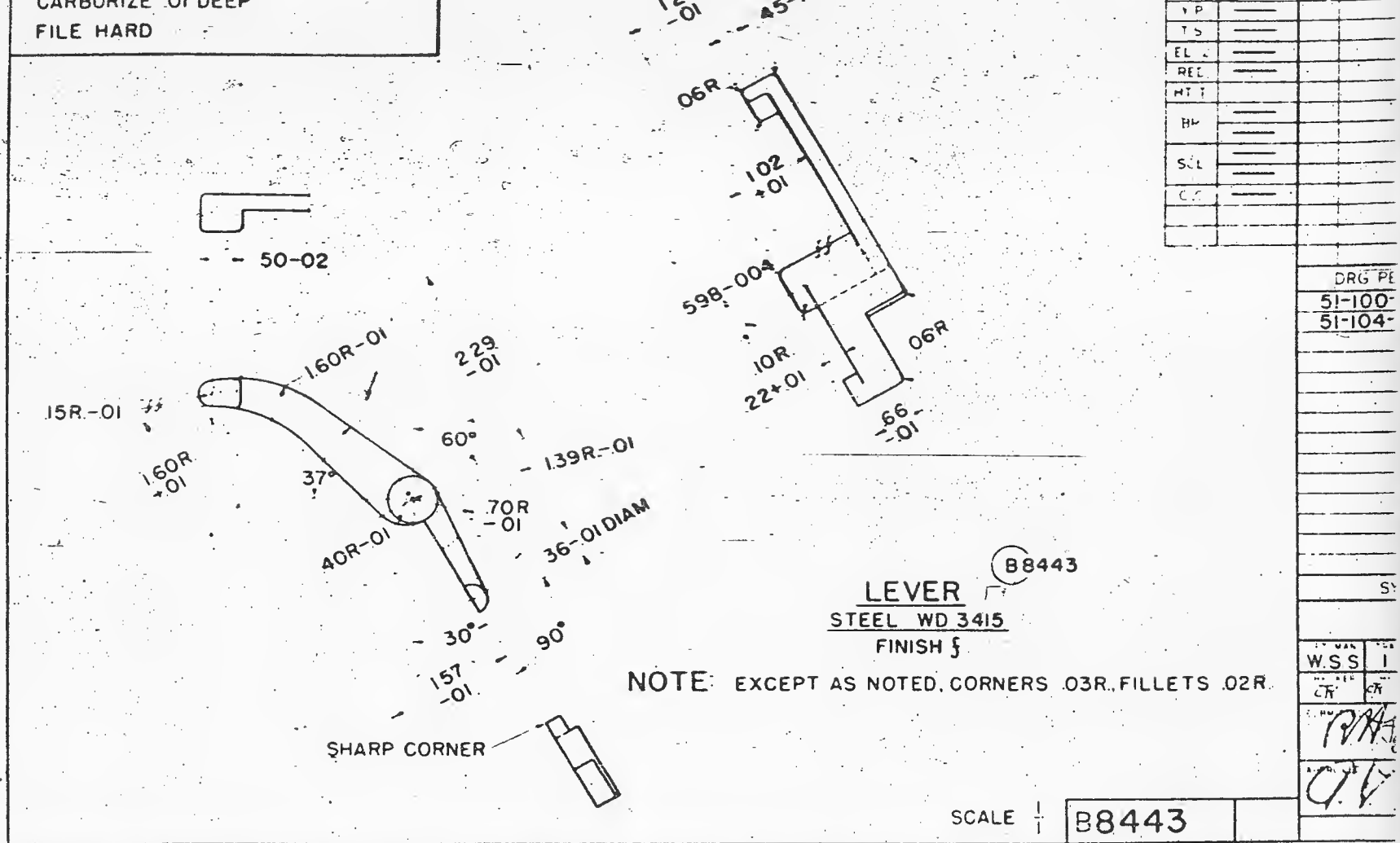
FINISH

NOTE: EXCEPT AS NOTED, CORNERS .03R., FILLETS .02R.

SCALE: 1/16" = 1" B8438

PHYSICAL PROPERTIES		DECEMBER 22, 1938
REVISIONS		
1	1-15-42	
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CARBURIZE 01 DEEP  
FILE HARD



VP	
TS	
EL	
REL	
MTT	
BR	
SCL	
CS	

DRG PE  
51-100-  
51-104-

W.S.S. I  
CR CR

7/2/4  
CIV

SCALE 1/2" = 1" B8443

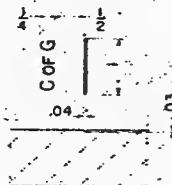
MICROFILM - A 44 -



HEAT TREATMENT & FINAL FINISH

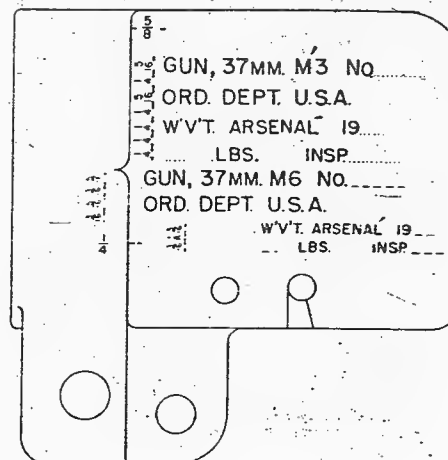


**MUZZLE MARKING**  
VERTICAL AND HORIZONTAL V-SHAPED  
LINES .04 WIDE .03 DEEP



**CENTER OF GRAVITY MARKING** - ②

OIOR MAX  
OOSR MIN



**BREECH MARKING**

OR MODEL DESIGNATION

OR NAME OF MANUFACTURER

PHYSICAL PROPERTIES	DECEMBER 22, 1938
Y.P.	1 9-19-41
T.S.	2 11-22-41
EL 2	3 6-16-43
RED	
BR	
ROCK	
SCL	

DRG PERTAINS TO

51-100  
51-104  
51-106

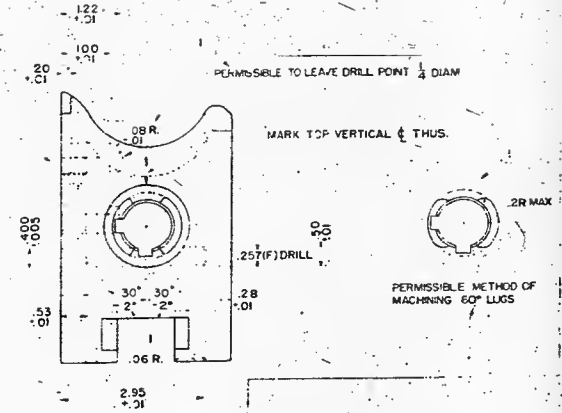
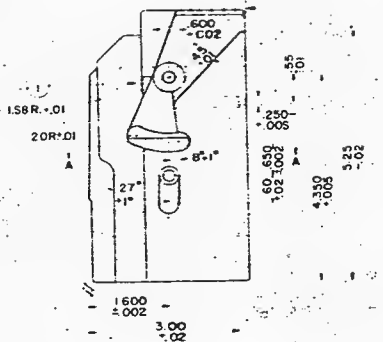
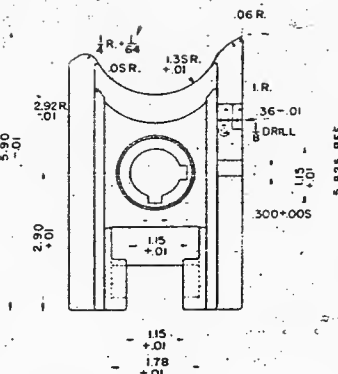
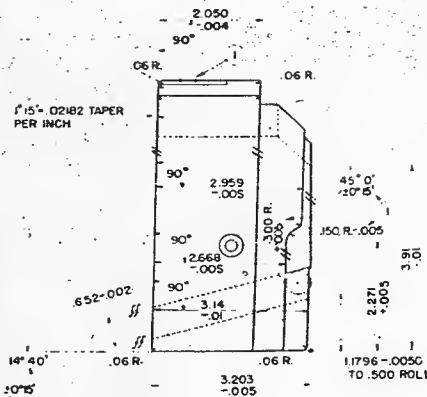
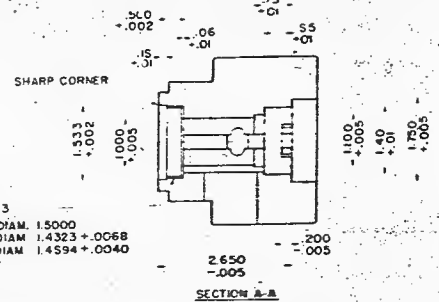
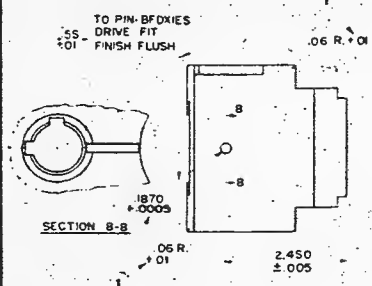
NOTE: - MARKING ON LOWER HALF FOR M6 GUNS

SYMBOL		
PMF	IR	SL
EX	EX	EX
SUBMITTED BY <i>PMF</i>		
COL 3RD DEPT U S A		
APPROVED BY ORDER OF THE		
ARMY OF THE UNITED STATES		
1944		
ORDNANCE DEPT U S A		

SCALE 1/2" = 1" C70402

MICROFILM - A44 - 45

60  
90  
02  
- ROCK 479 584

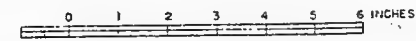


BREECHBLOCK 036225

STEEL WD. 3415

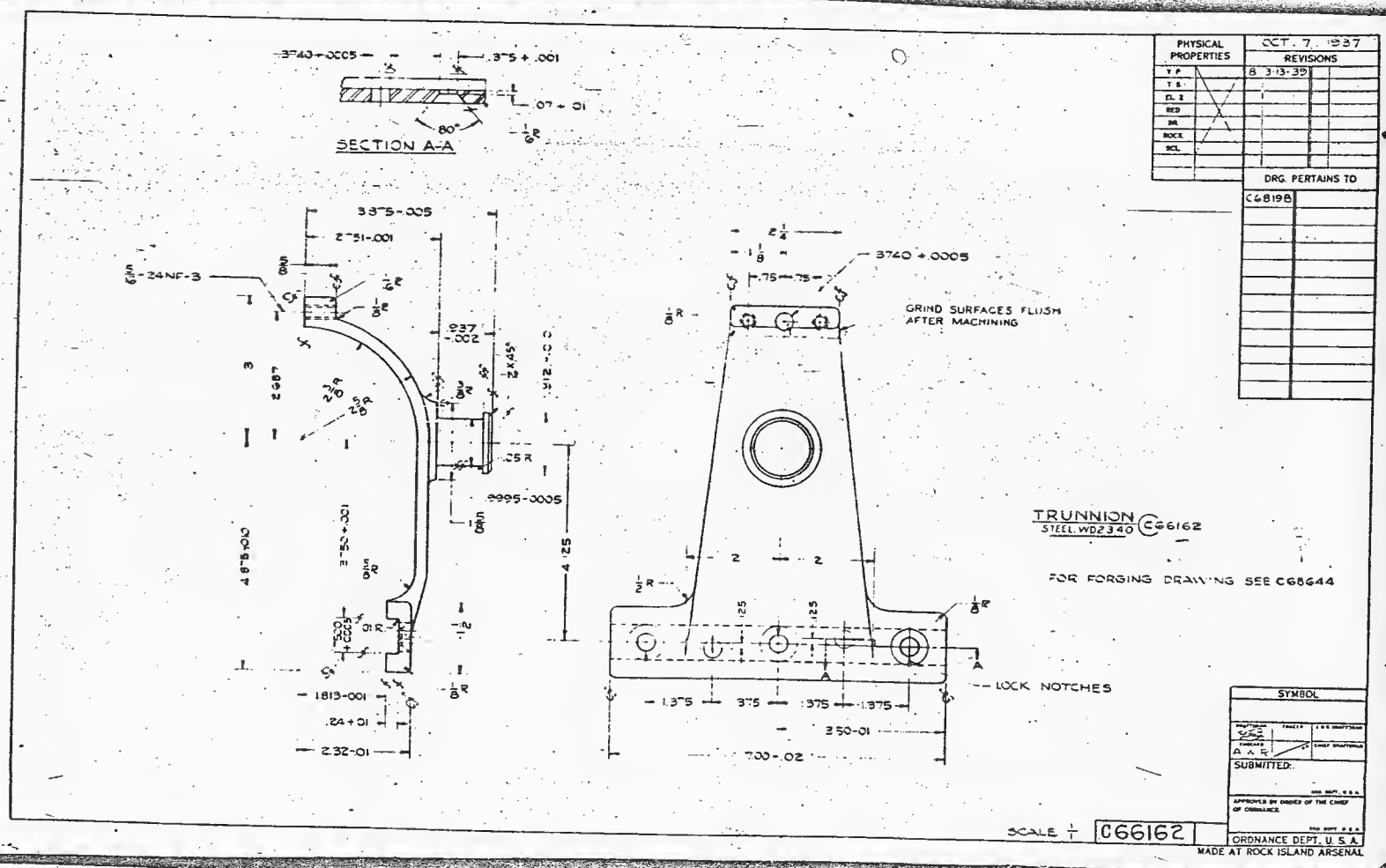
FINISH / UNLESS OTHERWISE SPECIFIED  
NOTE: ROUGH MACHINE AND NORMALIZE BREECHBLOCK BEFORE FINISH MACHINING.  
EXCEPT AS NOTED: CORNERS .03 R, FILLETS .02 R.

FOR A RECOMMENDED METHOD OF MANUFACTURE TO OBTAIN  
MINIMUM DISTORTION CONSULT WATERVLIET ARSENAL



FEBRUARY 27, 1939		C. 36225	
REVISIONS			
1-1722-81			
DESIGNED BY		CHECKED BY	
W.S.S. J.F.		C.T.K. G.	
D.P.G. PERTAINS TO		EXAMINED	
SI-100-5		SI-104-5	
APPROVED		ORDNANCE OFFICE, WAR DEPT.	
036225			





MICROFILM - A44 - 65



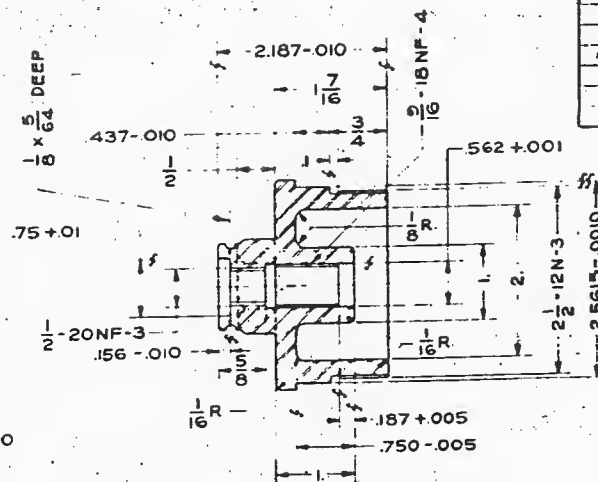
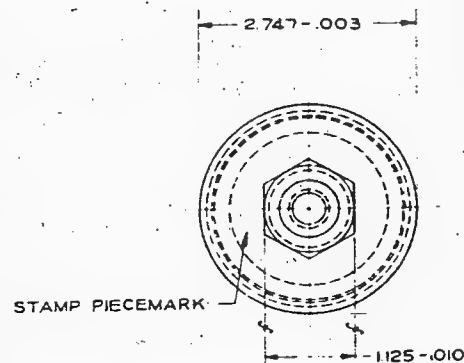


HEAT TREATMENT & FINAL FINISH		PHYSICAL PROPERTIES				A164120	
		T P	RED	SCL	JUNE 30, 1939		
		T S	DR	X	REVISIONS		
		EL 2	ROCK	X	1	4-12-40	2
					3	12-3-43	
						DRG. PERTAINS TO	
						A164119	
						SYMBOL	
						SUBMITTED	
						ORDNANCE DEPT. U. S. A.	
						MADE AT ROCK ISLAND ARSENAL	

MICROFILM - A44 -

7

HEAT TREATMENT AND FINAL FINISH



HEAD  
STEEL WD1045  
COLD FINISHED

BI56653

2

SCALE 1 BI56653

PHYSICAL PROPERTIES	
TEMP	
TENS	
ELONG	
HARD	
PR	
RES	
ST	

JUNE 30, 1939  
REVISIONS

1	11-6-39	
2	4-12-40	

DRG PERTAINS TO

D33938  
D37844  
D50074  
D37256

SYMBOL

RWM *QPR*  
R2

SUBMITTED

APPROVED BY CHIEF OF THE CHIEF OF ORDNANCE

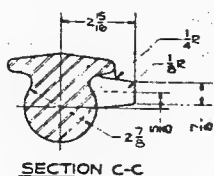
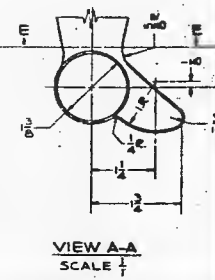
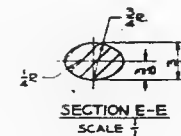
ORDNANCE DEPT. U. S. A.

MADE AT ROCK ISLAND ARSENAL

L.T. M2A4

MICROFILM - A44 -

1002

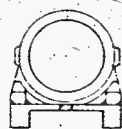


CYLINDER, RECOIL (D34145)  
STEEL WD1045

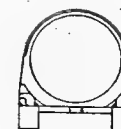
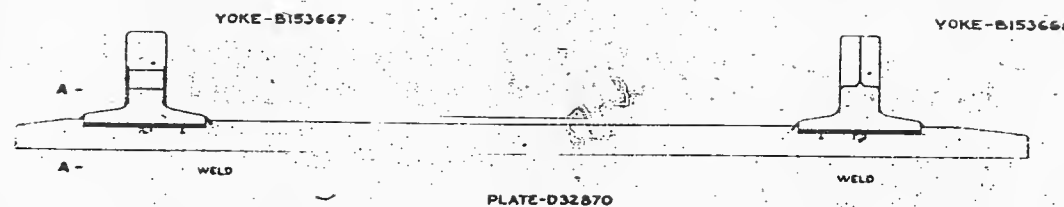
(2) — ANNEALED FOR MACHINING  
NOTE ALL DRAFT SHOWN AT 7°

[illegible]





SECTION A-A



SLEIGH  
WELDED CONSTRUCTION D32850

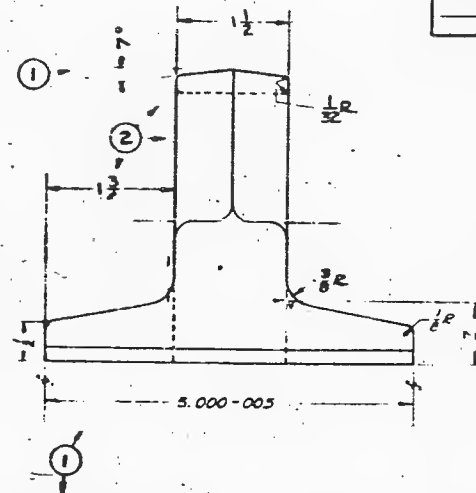
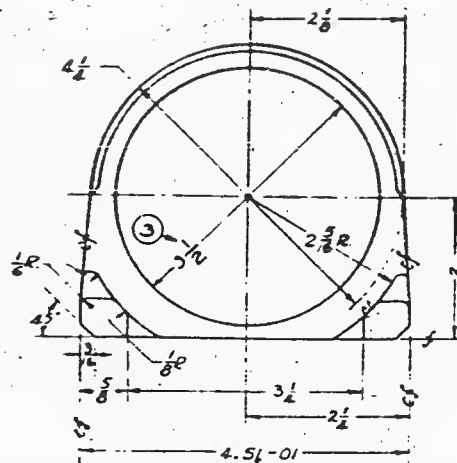
SUPERSEDES OLD TRACING D32850 UNDER REVISION DATE OF 1-1-43

0 2 4 6 8 10 12 14 16 18 20 22 INCHES

JUNE 30, 1939	
REVISIONS	
2. H-43	1. FRANGES ON PAPER NOT ULTIMATE SPEC USE ONLY FRACTIONS WHEN IN CONFLICT
	G.M. <i>CSL</i>
DRG. PERTAINS TO D32851	SUBMITTED
	EXAMINED
	APPROVED BY: <i>CSL</i> IN THE NAME OF
D32850	ORDNANCE DEPT. US

MICROFILM - A44 - 1 1 1

HEAT TREATMENT AND FINAL FINISH	
X	



THE UNIVERSITY OF CHICAGO  
 LIBRARY  
 540 EAST 57TH STREET  
 CHICAGO, ILL. 60637

YOKE (B153666)  
STEEL WD3115  
AS FORGED

SCALE 1/ B153666

PHYSICAL PROPERTIES		JUNE 30, 1963 REVISIONS	
TEMP		1	4-12-40
TEMP		2	3-14-41
CL I		3	4-28-42
RED			
BR			
ROCK			
SEL			

**DRG. PERTAINS TO**

032850  
157530  
D38349

SYMBOL

SEARCHED	INDEXED	SERIALIZED
FILED	FILED	FILED
SUBMITTED		

APPROVED BY ORDER OF THE CHIEF  
OF ORDNANCE

ORDNANCE DEPT. U. S. A.

HEAT TREATMENT AND FINAL FINISH

PHYSICAL  
PROPERTIES

JUNE 30, 1939

REVISIONS

Y.P.	1	4-12-40	
T.E.			
BL. 2			
RED			
BR			
BLACK			
WCL			

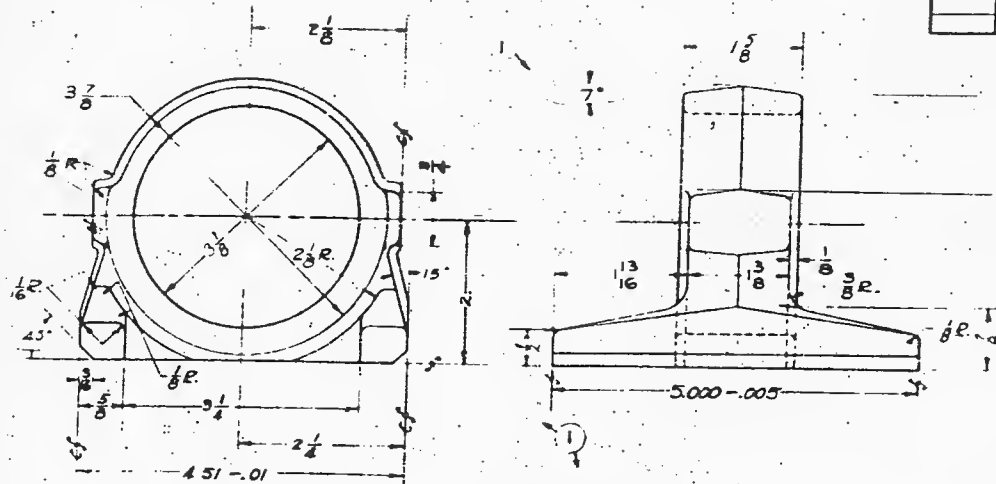
DRG. PERTAINS TO

D32850

SYMBOL

APPROVED BY CHIEF OF THE CHIEF  
OF ORDNANCE  
SUBMITTED.

ORDNANCE DEPT. U. S. A.



YOKE (B153667)  
STEEL WD3115  
AS FORGED

SCALE 1/4"

B153667

MADE AT ROCK ISLAND ARSENAL

Technical drawing of a mechanical part, likely a flange or base plate, showing three views: front, top, and side.

**Front View (Left):** Shows a circular flange with a central hole and four mounting holes. Dimensions include a total width of 3.75 ± 0.01, a central hole diameter of 1.675 ± 0.005, and a mounting hole diameter of 3.300 ± 0.002.

**Top View (Right):** Shows the circular flange with dimensions. The central hole diameter is 1.675 ± 0.005, the mounting hole diameter is 3.300 ± 0.002, and the total width is 3.75 ± 0.01.

**Side View (Middle):** Shows the profile of the flange. Dimensions include a total width of 35.23 ± 0.01, a central hole diameter of 1.675 ± 0.005, a mounting hole diameter of 3.300 ± 0.002, and a total height of 2.03 ± 0.01. The text "STAMP PIECE MARK" is visible on the side view.

NOTE  
SLEIGH, WELCH 1-12-50

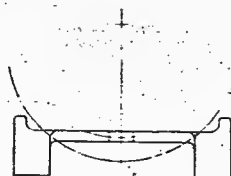
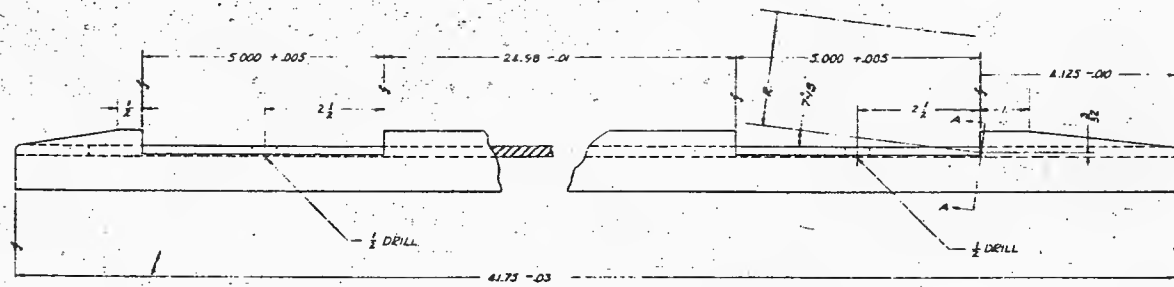
JUN 30 1955		CLASS	EXPENSE	TRAINING	FR
REVIEWS					
1411-2040					
2 142542		SYMBOL			
DIRE PERMITS TO					
D34644					
D37216		SUBMITTED			
		EXAMINED:			
		DIR DEPT. 5.3			
		DIR DEPT. 5.3			
		APPROVED BY ORDER OF THE CHIEF OF BUREAU			
		DIR DEPT. 5.3			
D32851		ORDNANCE DEPT. U.S.A.			
		MADE AT ROCK ISLAND ARSENAL			

SCALE:

ORDNANCE DEPT., U. S. A.  
MADE AT ROCK ISLAND ARSENAL

MICROFILM - A44 - 114





SECTION A-A

PLATE C032870  
STEEL WD3115 OR WD3130  
AS ROLLED  
FL. 214

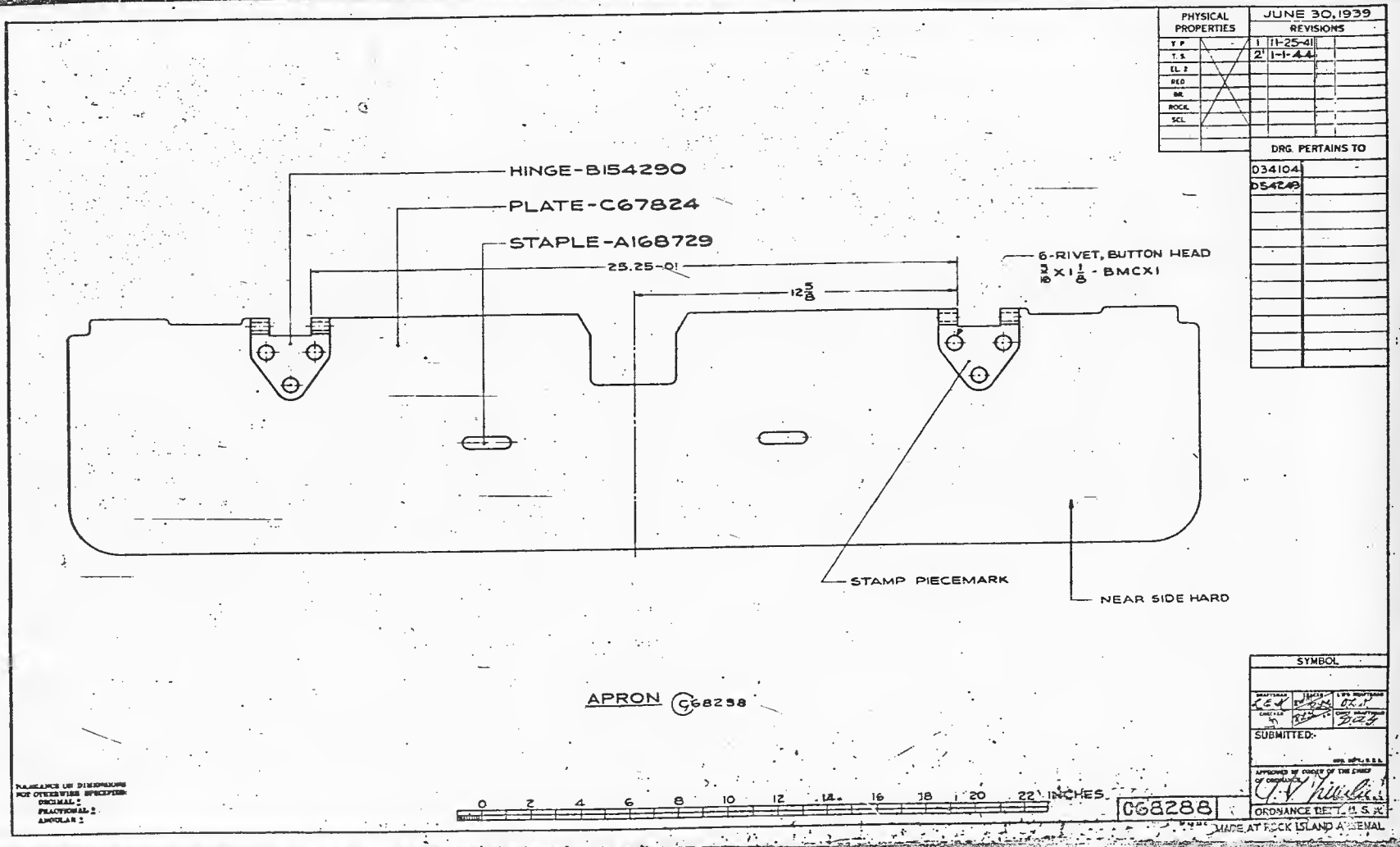
JUN 11 3 4 93		CLASS	ISSUANCE	INFORMATION
REVISIONS				
1	A 124			
2	9224			
		SYMBOL		
DRG PERTAINS TO				
D32870				
		APPROVED	RELEASE	FILE
		<i>[Signature]</i>		<i>[Signature]</i>
		BY DLW		
		SUNMITTED		
		EXAMINED:		
		APPROVED BY SUBJECT OF THE CASE		
D32870		ORDNANCE DEPT. U.S.		
		MADE AT ROCK ISLAND		

FOR EACH OF THE FOLLOWING  
NOT ONCE BUT SPECIFY  
SEVERAL ?  
FUNCTIONAL ?  
ANOTHER ?

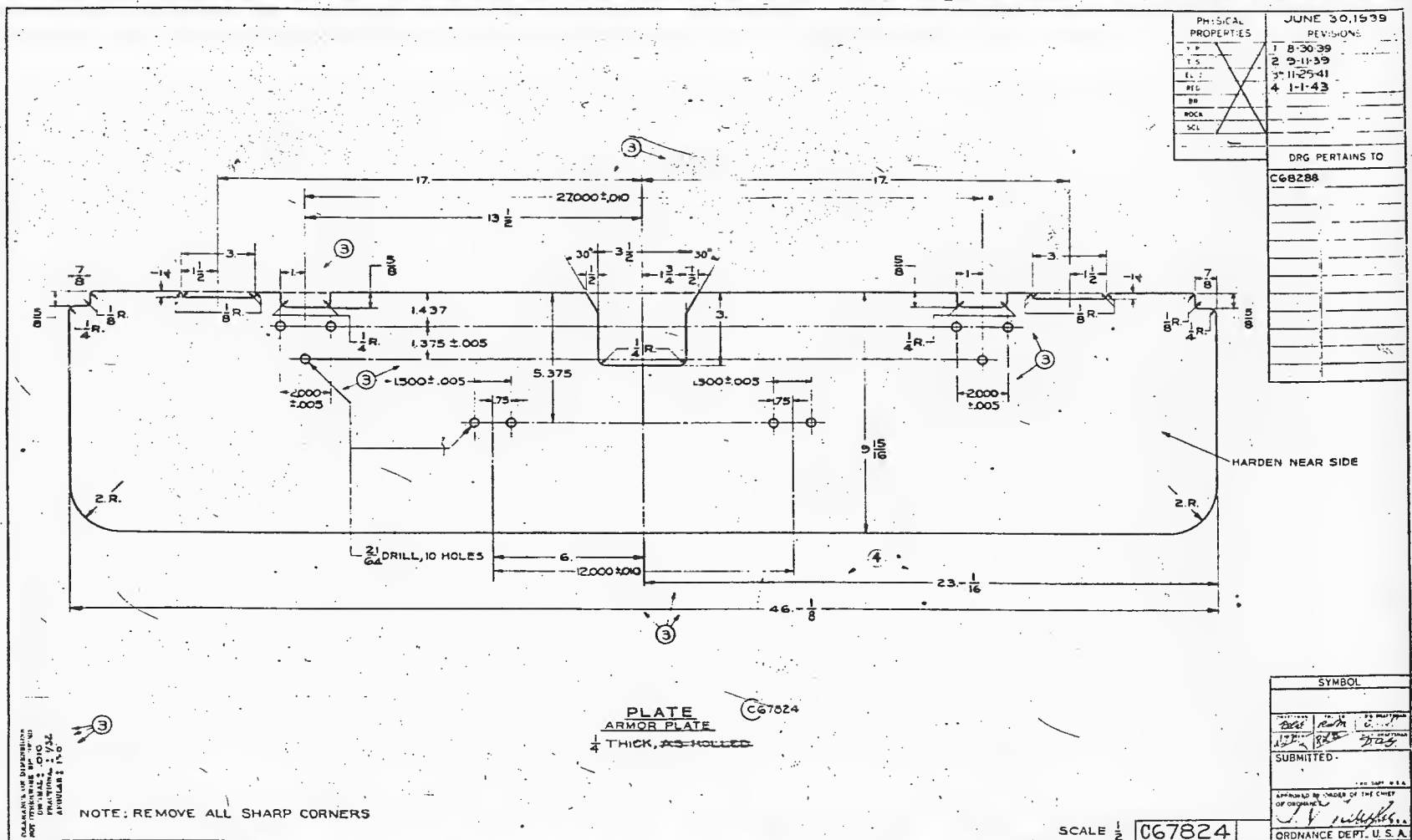
SCALE :

MICROFILM - A 44 - 115



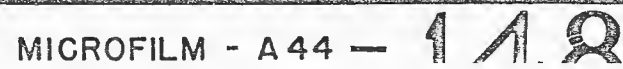


MICROFILM - A44 - 107



MICROFILM - A44 - 120





HEAT TREATMENT AND FINAL FINISH

PHYSICAL PROPERTIES					
TEMP	1	7-30-41			
T.S.					
EL. 2					
RED					
BR					
ROCK					
SCL					

JUNE 30, 1933  
REVISIONS

TUBE-3 54326

WELD

STAYED PECEYARK

DRG. PERTAINS TO

D52340  
D34025

CONNECTION-3 54325

13.22-02

END-A'64874

BRACE  
WELDING DIAGRAM



B154327

SYMBOL

DRG. PERTAINS TO  
D52340  
D34025

ORDNANCE DEPT. U. S. A.  
MADE AT ROCK ISLAND ARSENAL

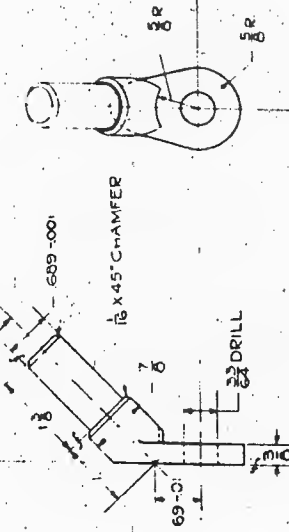
MICROFILM - A 44 -

152

HEAT TREATMENT AND FINAL FINISH

PHYSICAL PROPERTIES					
TEMP	1	4-12-40			
T.S.					
EL. 2					
RED					
BR					
ROCK					
SCL					

JUNE 30, 1933  
REVISIONS



CONNECTION B154325  
STEEL WDX1315  
AS FORGED

SCALE: 1

B154325

ORDNANCE DEPT. U. S. A.  
MADE AT ROCK ISLAND ARSENAL

MICROFILM - A 44 -

152

### PHYSICAL PROPERTIES

REVISIONS

T.P.	
T.S.	
CL. 2	
RED	
BK	
ROCK	
BEL	

1/4 DRILL-8 HOLES -

**.687+.001**

$$.687 + .001 =$$

①

COLD DRAWN SEAMLESS STEEL TUBING WD1020  
OUTSIDE DIAM.-.875, WALL THICKNESS-.095

SYMBOL	DRIFT MARK	1. INCHES	2. C.
	DLM.		
	CAGE CODE		
	AWR.		
SUBMITTED-			

APPROVED BY ORDER OF THE CHIEF  
OF DISTRICT

SCALE - B154326

B154326

ORDNANCE DEPT. U. S.  
MADE AT ROCK ISLAND ARSENAL

MADE AT ROCK ISLAND ARSENAL

MICROFILM - A44 -

### HEAT TREATMENT & FINAL FINISH

PHYSICAL PROPERTIES

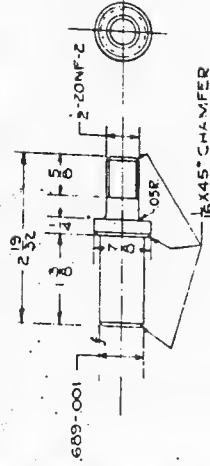
A164874

JUNE 30, 1939

REVISIONS	
1	412-40

	X	X
NO		
YES		

HEAT TREATMENT & FINAL FINISH	X		
	V.P.	V.B.	CL.F.
	X		



END.  
STEEL WDX1315  
COLD FINISHED

①

SYMBOLS

DRG. PERTAINS TO  
9154327

C.M.		
CASE		
A W R		

SUBMITTED:

0000 0007 0000

[illegible][illegible]

SCALE: A164874

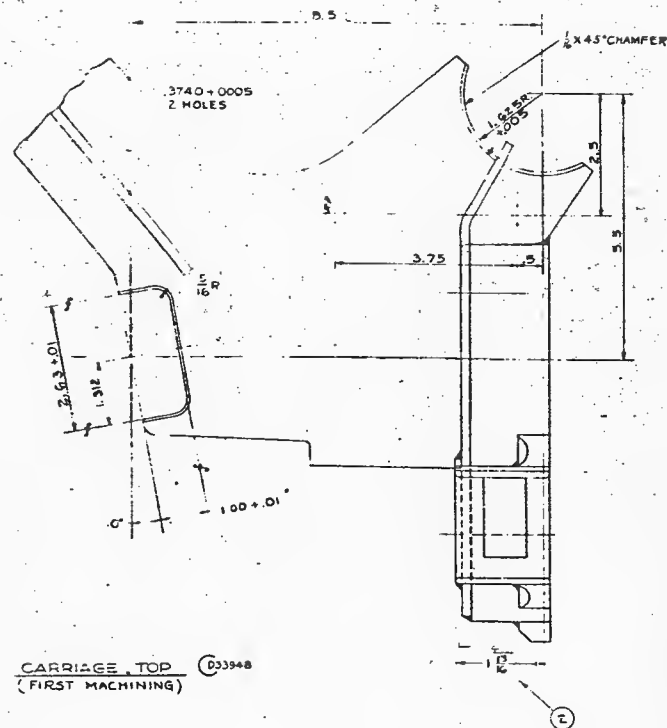
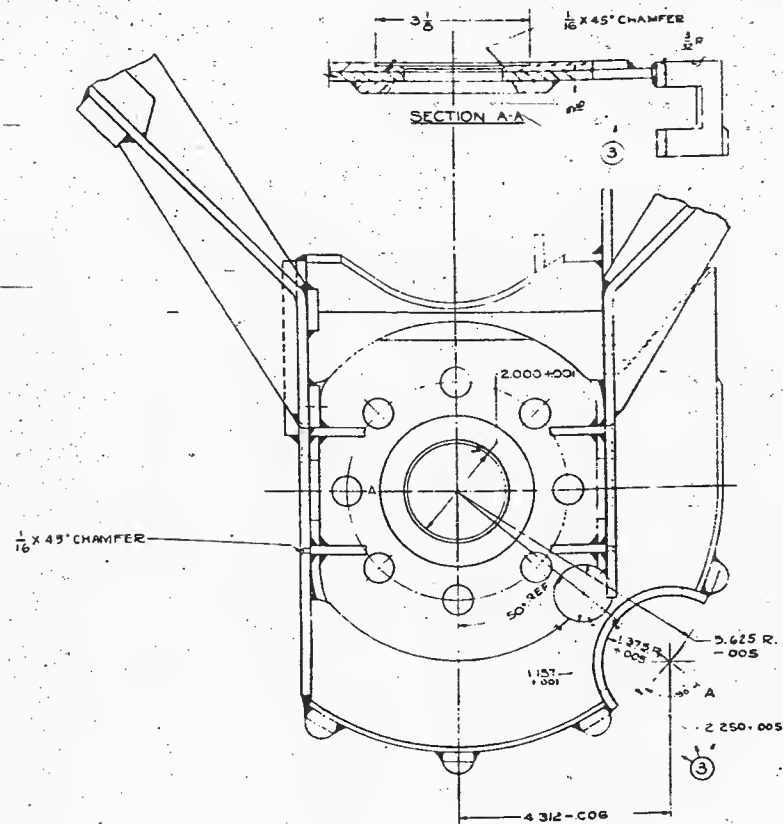
A1648741

ORDNANCE DEPT., U. S. A.  
AT ROCK ISLAND ARSENAL

ORDNANCE DEPT., U. S. A.  
AT ROCK ISLAND ARSENAL

ORDNANCE DEPT., U. S. A.  
AT ROCK ISLAND ARSENAL





CARRIAGE TOP  
(FIRST MACHINING) 033948

ALL DIMENSIONS  
ARE UNLESS OTHERWISE SPECIFIED  
FRACTIONS  
ARE IN INCHES

SCALE 1/2

JUL 10 1950		CLASS	SYMBOL	ISSUED
REVISIONS				
1	12-17-50			
2	10-29-51			
3	1-23-52			
DRG. PERTAINS TO		D.L.M.	DATE	1-23-52
033948		SUBMITTED	DATE	1-23-52
		EXAMINED	DATE	
		APPROVED BY CHIEF OF THE SHOP AT R	DATE	
		ORDNANCE DEPT. U. S.	DATE	
		MADE AT ROCK ISLAND AR	DATE	

MICROFILM - A44 - 217

33 DRILL  $1 \times 45^\circ 21'$   
CHAMFER - 2 HOLES

33 DRILL - 3 HOLES

STAMP PIECE MARK

NOTE:  
BREAK ALL SHARP CORNERS

5-24NF-2, 1/2 DEEP-3 HOLES

1/2 GUARANTEED  
2 CLEARANCE

CARRIAGE, TOP 033950  
SECOND MACHINING  
FOR OTHER VIEWS SEE 033951 & 033953  
FOR FIRST MACHINING SEE 033948  
FOR WELDING DIAGRAMS SEE 033945, 033946 & 033949

PERSEDES OLD TRACING 033950. UNDER REVISION DATE OF 1-1-43

SECTION L-L

SECTION H-H

SECTION K-K

27NPT, 3/16 DRILL THRU

2450+0005-2 HOLES AT ASSEMBLY  
3-24NF-3-3 HOLES

DEPTH OF THIS HOLE, 5/16

1285 (NO 30) DRILL AT ASSEMBLY

12500-0005 K

17500-0005

745-.01 6750-002

JUNE 30, 1939

1 1-1-43  
8 2-6-43  
9 5-2-43

TRANSFER TO ENGINEERING  
FOR DESIGN & SPEC. DES.  
12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100

D.L.M. *Bill*

1 IN. PERTAINS TO  
033954  
040724

SUBMITTED

EXAMINED

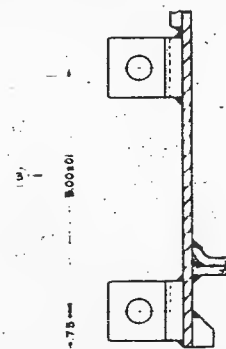
033950

ORDNANCE DEPT USA

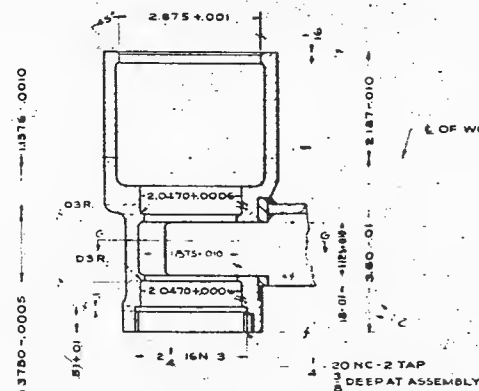
SCALE 1

MICROFILM - A44 - 218

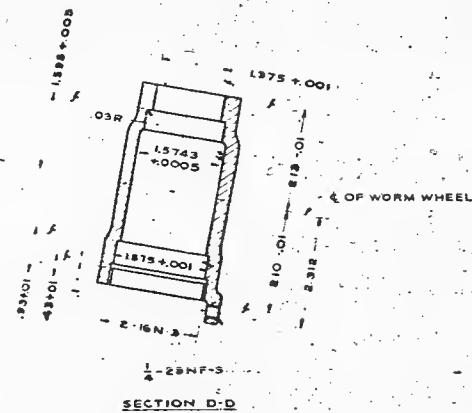




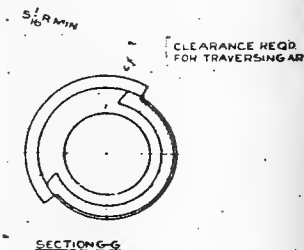
SECTION B-B



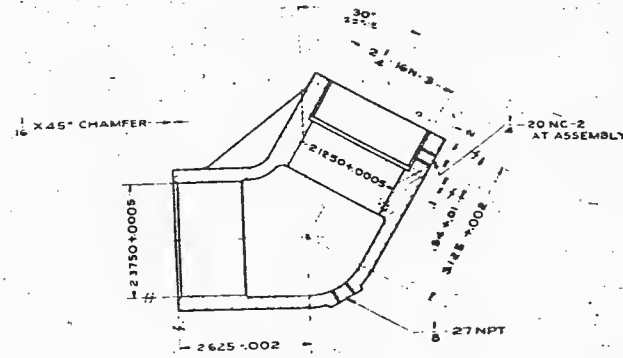
SECTION C-C



SECTION D-D



SECTION E-E



SECTION F-F

CARRIAGE TOP SECOND MACHINING

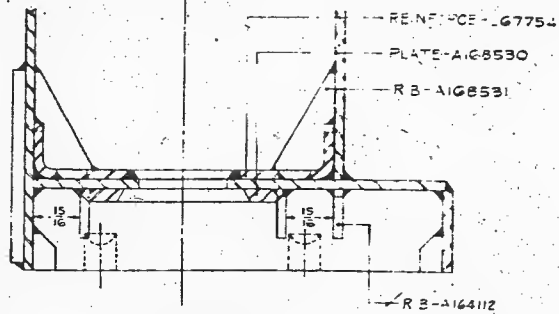
PLEASE SEE J. C. REMARKS  
OF DRAWING FOR  
MATERIAL, QTY  
AND TOLERANCE  
AND TAP 7 GA

NOTE-BREAK ALL SHARP CORNERS

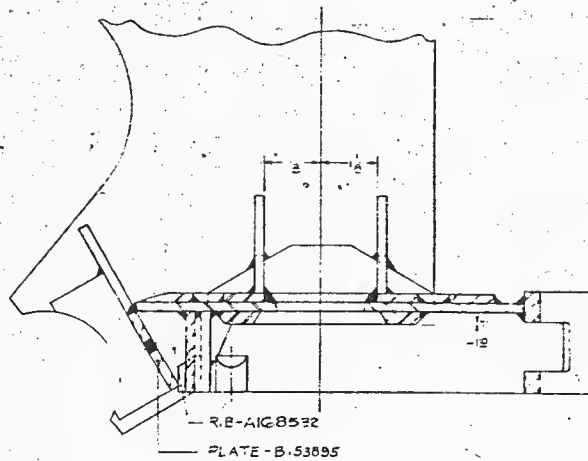
SCALE 1

JUNE 30, 1939		REV	DATE	BY
REV 20 JNS				
1	4-12-40			
2	7-24-41			
3	3-13-42			
DNG PERTAINS TO 033950		SYMBOL		
SUBMITTED		EXAMINED		
ORDNANCE DEPT. U. S. A.		MADE AT ROCK ISLAND ARSENAL		

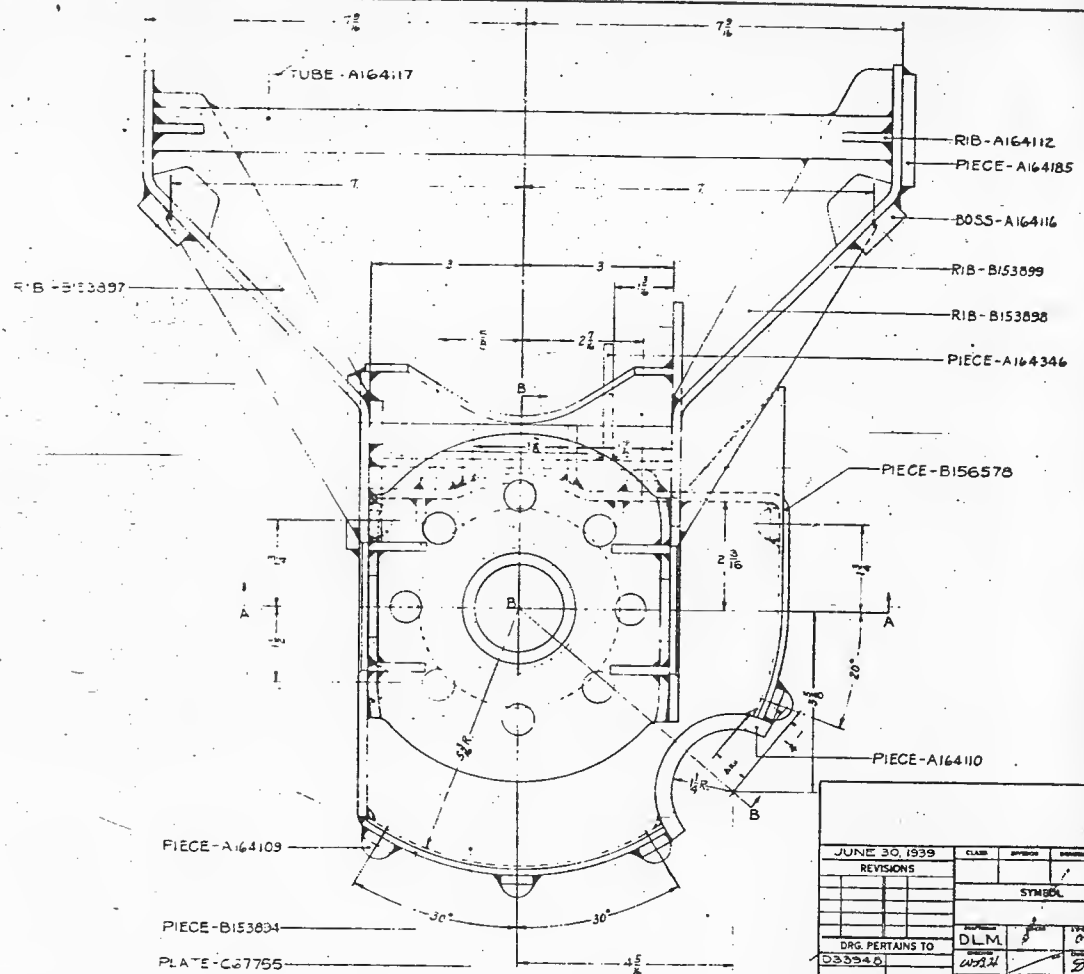
MICROFILM - A44 - 220



SECTION A-A



SECTION B-B-B

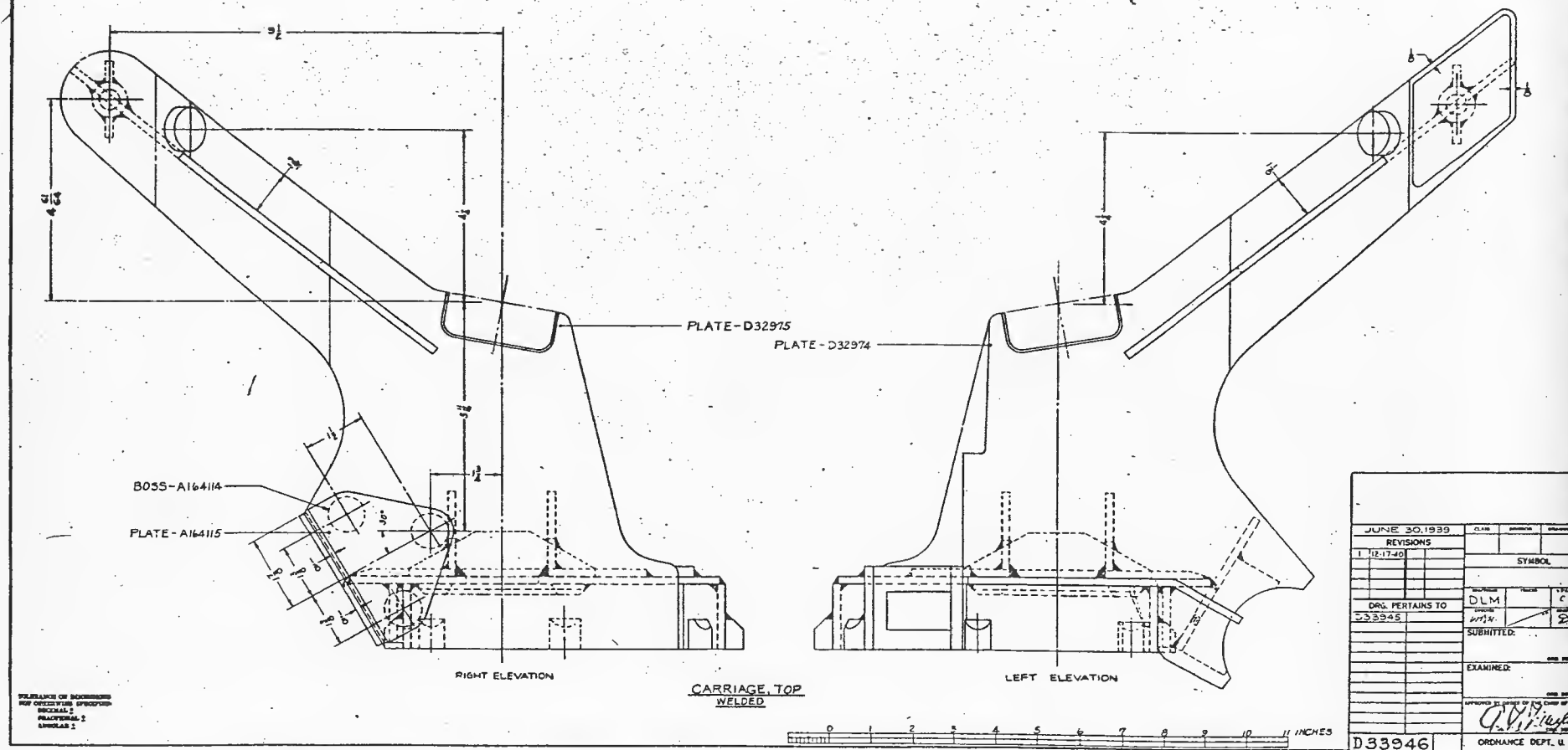


CARRIAGE TOP  
REVISED  
D33945  
FOR OTHER VIEWS SEE D33946

0 1 2 3 4 5 6 7 8 9 10 INCHES

JUNE 30, 1939		CLASS	SECTION	REVISIONS	FILE
REVISIONS					
SYMBOL					
DRG. PERTAINS TO					
D33945					
SUBMITTED					
EXAMINED					
D33945					
ORDNANCE DEPT. U.S.A.					
MADE AT ROCK ISLAND ARSENAL					

MICROFILM - A44 - 223



MICROFILM - A 44 - 213

PRC  
 Y.P.  
 T.S.  
 EL.  
 P.E.  
 BR.  
 ROL.  
 SC.

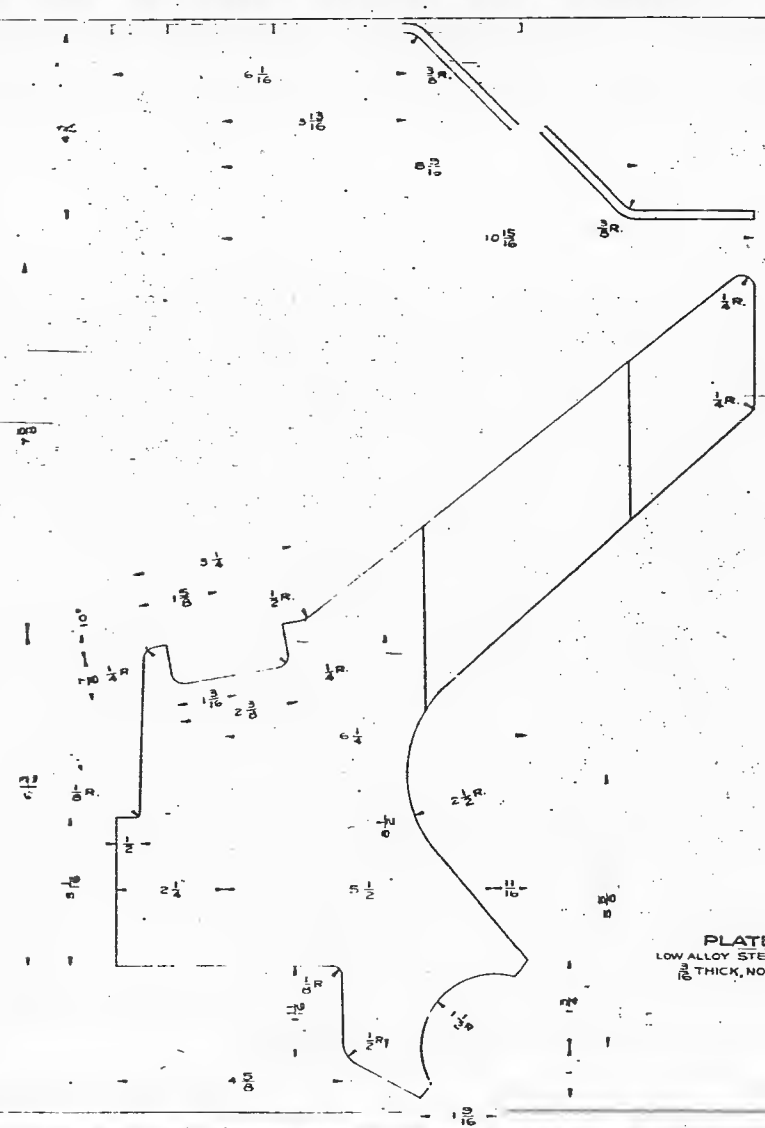


PLATE  
 LOW ALLOY STEEL, GRADE 2 (D32974)  
 3/16 THICK, NORMALIZED

RETRACED FROM OLD TRACING  
 WITHOUT CHANGE 7-10-43

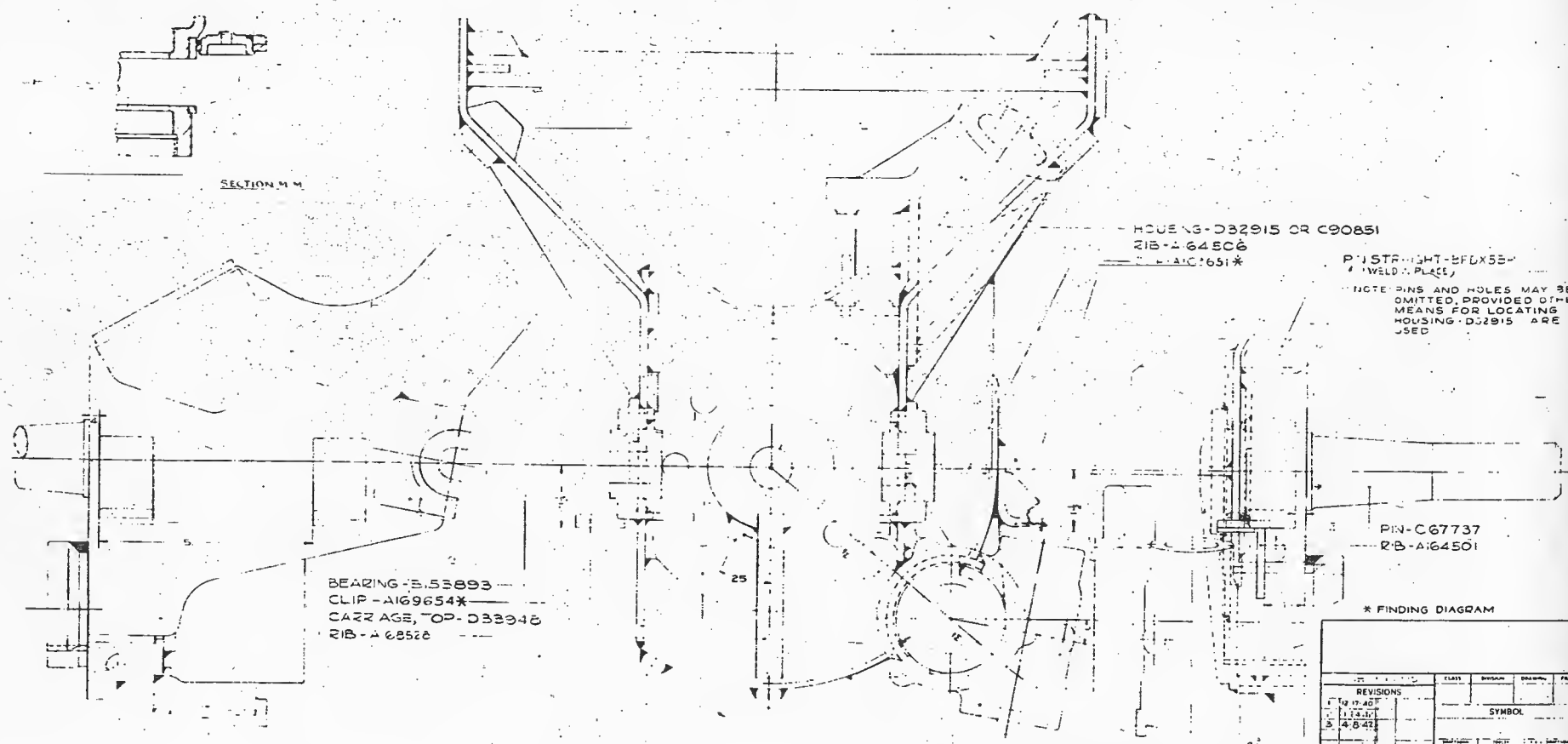
SCALE 1/16"

JUNE 30, 1939	
REVISIONS	
2	12-17-40
DRG PERTAINS TO D33002 D33946	
SUBMITTED EXAMINED ORDNANCE DEP	
D32974	

MICROFILM - A44 - 246







\* FINDING DIAGRAM

REV	DATE	CLASS	REVISION	FILE
1	10-10-47			
2	11-14-47			
3	4-8-48			
SYMBOL				
DRG PERTAINS TO				
SUBMITTED				
EXAMINED				
APPROVED BY ORDER OF THE CHIEF OF ORDNANCE				
ORDNANCE DEPT. U.S.A.				

D33949

MADE AT ROCK ISLAND ARSENAL

HEAT TREATMENT AND FINAL FINISH	
X	

PHYSICAL PROPERTIES	
Y. P.	
T. S.	
EL. 2	
RED	
BR.	
ROCK	
SCL.	

[illegible][illegible]

DATE/TIME 11/1/77	TRACES	1700 DATE/TIME 11/1/77
VEHICLE RAWR		CHRY DATE/TIME 11/1/77

ORD. DEPT. U. S. A.  
APPROVED BY CHIEF OF THE BUREAU  
OF ORDNANCE  
*C. V. Pittsford*  
ORD. DEPT. U. S. A.  
ORDNANCE DEPT. U. S. A.  
MADE AT ROCK ISLAND ARSENAL

APPROVED BY CHIEF OF THE CHIEF  
OF ORDNANCE  
*[Signature]*  
ORDNANCE DEPT., U. S. A.  
MADE AT ROCK ISLAND ARSENAL

MADE AT ROCK ISLAND ARIZONA

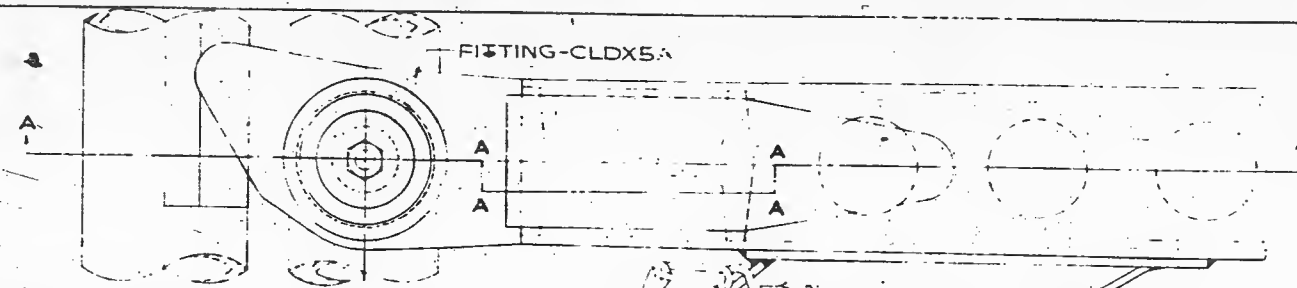


B/53893

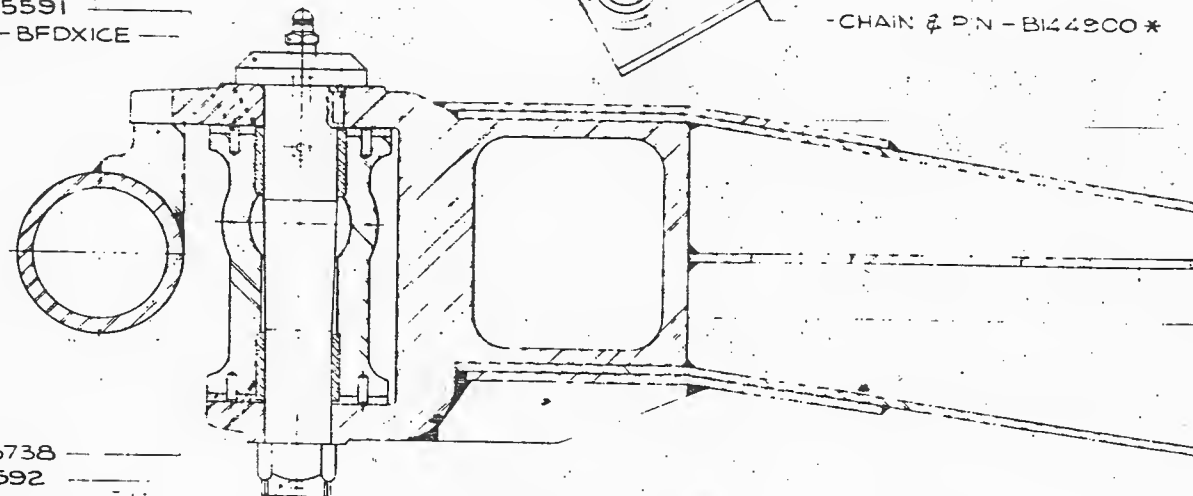
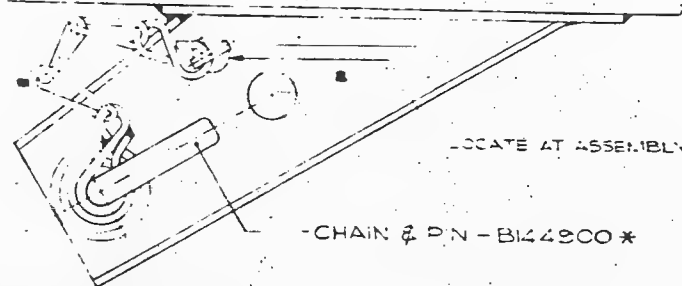
**B153893**

1-10 2421-9-64

HEAT TREATMENT & FINAL FINISH		PHYSICAL PROPERTIES				A157690													
		Y. P.	RED	SCL	<b>REVISIONS</b> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 5%;">2</td> <td style="width: 15%;">10-9-36</td> <td style="width: 10%;"></td> <td style="width: 10%;"></td> </tr> <tr> <td>3</td> <td>4-12-40</td> <td></td> <td></td> </tr> <tr> <td>4</td> <td>11-20-40</td> <td></td> <td></td> </tr> </table>			2	10-9-36			3	4-12-40			4	11-20-40		
		2	10-9-36																
		3	4-12-40																
4	11-20-40																		
T. E.	DE	ROCK																	
EL. E	ROCK	ROCK																	
<p> <small>ALL DIMENSIONS UNLESS OTHERWISE SPECIFIED            TOLERANCES:            FRACTIONAL: 1/64            ANGULAR: 0°15'</small> </p> <p> <b>PIN</b>  <b>STEEL WDX1020</b>  <b>COLD FINISHED</b> </p> <p style="text-align: right;"> <small>A157690</small>  <b>SCALE 1/1</b> </p>		<b>DRG. PERTAINS TO</b> 8144900																	
		<b>SYMBOL</b> <b>OAP 2670</b>																	
		DRAFTSMAN	TRACER	L.S. DRAFTER															
		CHECKER	APPROVED	CHIEF DRAFTSMAN															
		<b>SUBMITTED:</b> <div style="display: flex; justify-content: space-between; align-items: flex-end;"> <div> <small>ORD. DEPT. U. S. A.</small>  <small>APPROVED BY ORDER OF THE CHIEF OF ORDNANCE</small>  </div> <div> <small>ORD. DEPT. U. S. A.</small>  <b>ORDNANCE DEPT. U. S. A.</b> </div> </div>																	
<b>A157690</b>																			



KEY - A168688  
 FITTING - A168822  
 PIN - B156552  
 BUSHING - B195591  
 PIN, STRAIGHT - BFDXICE



WASHER - A168738  
 BUSHING - B195592  
 NUT, CASTLE - BBFX2C  
 PIN, COTTER - BFAIDK

SECTION A-A-A-A-A

CONNECTION, TRAIL

SUPERSEDES OLD TRACING C67841,  
 UNDER REVISION DATE OF 3-25-42

0 1 2 3 4 5 6 7 8 9 10 INCHES

C67841

PHYSICAL PROPERTIES		REVISIONS	
Y P		3	3-25-42
T S		4	4-18-42
EL 2		5	11-8-43
RED			
DR			
ROCK			
SCL			

DRG. PERTAINS TO

1-105-1  
 1-120-1

\* FINDING DIAGRAM

SYMBOL	
REVISION	1-105-1
CHANGES	1-120-1
SUBMITTED	
APPROVED BY ORDER OF THE CHIEF OF ORDNANCE	
ORDNANCE DEPT. U. S. A.	

MADE AT ROCK ISLAND ARSENAL

MICROFILM - A44 - 277



SCREW, SET- BCTXIAD  
(TAP HOLE 1/8 DEEP)  
CUP, OIL- CLFX2A

BEARING, THRUST- A168685  
BUSHING- A168718  
NUT- B156627  
GRAP, SH- FT- B193888

SCREW, SET- BCTX1BB

SHOULDER- C16971  
SUPPORT- C81615

BUSHING- A169106  
NUT- A168967  
COLLAR- A168971  
PIN, STRAIGHT- BFDX1DP  
SPRING, LOCKING- A16976B  
SCREW, MACH- BCCX3CD

PIN, COTTER- BFAIXDG  
NUT, HEX- BBHXIA  
HANDWHEEL- C66338\*

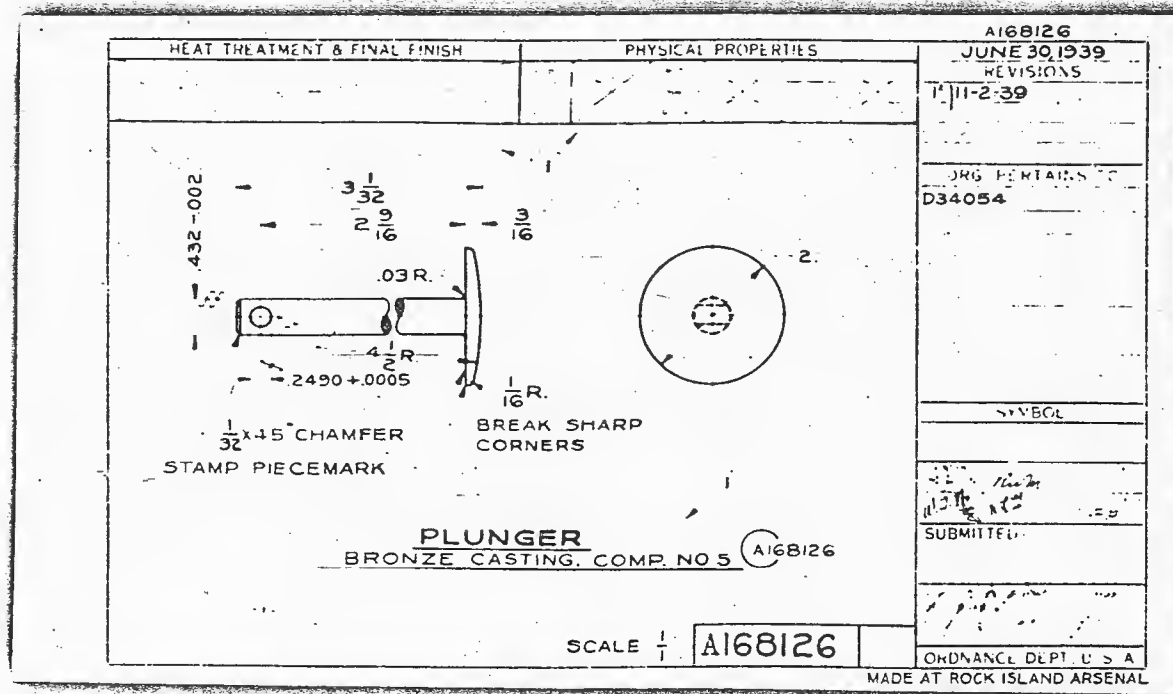
CONTROL, ELEVATING

NOTICE: THIS DRAWING IS NOT TO BE USED FOR REPRODUCTION OR FOR THE CONSTRUCTION OF ANY PART OF THE UNITED STATES OR ANY OTHER COUNTRY WITHOUT THE WRITTEN PERMISSION OF THE ARMY.

ALTERNATIVE DESIGN  
\* FINDING DIAGRAM

OCT 18 1941		DATE	DESIGN	REVISION	FILE
REVISIONS					
2 5 8 42					
SYMBOL					
DRG PERTAINS TO					
D39450					
T.M.B.					
C.D.P.					
SUBMITTED					
EXAMINED					
APPROVED BY CHIEF OF THE BUREAU OF CONSTRUCTION					
D39449					
ORDNANCE DEPT. U.S.A.					
MADE AT ROCK ISLAND ARSENAL					

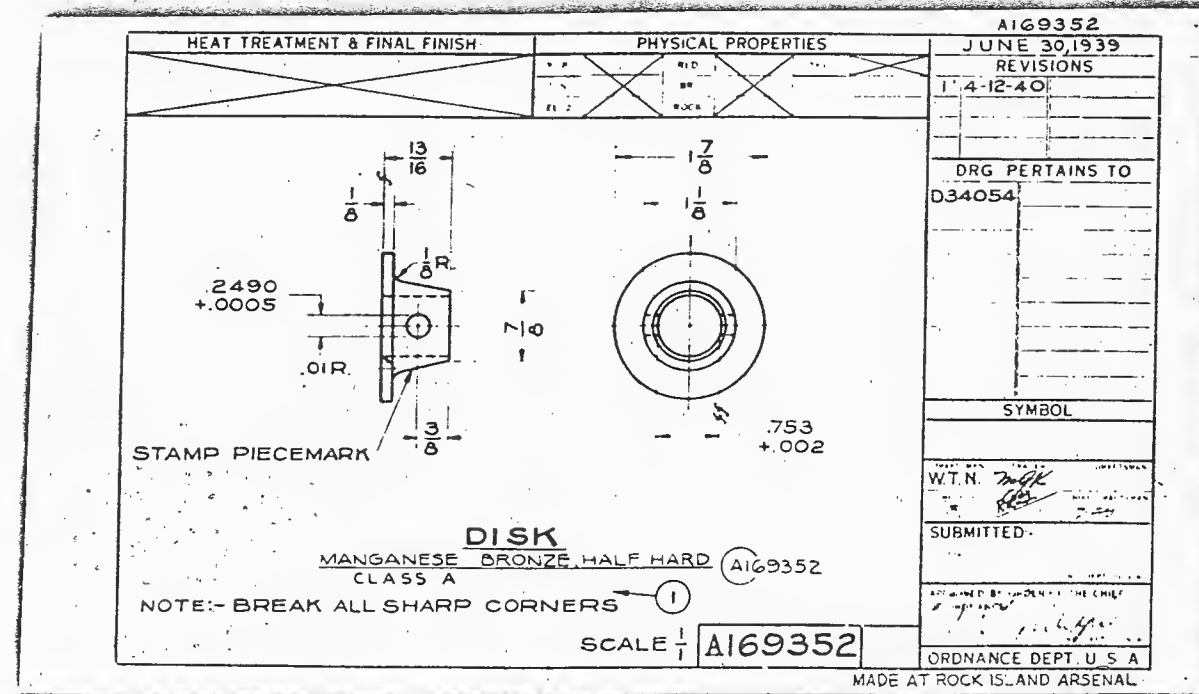
MICROFILM - A44 - 286



MICROFILM - A 44 -





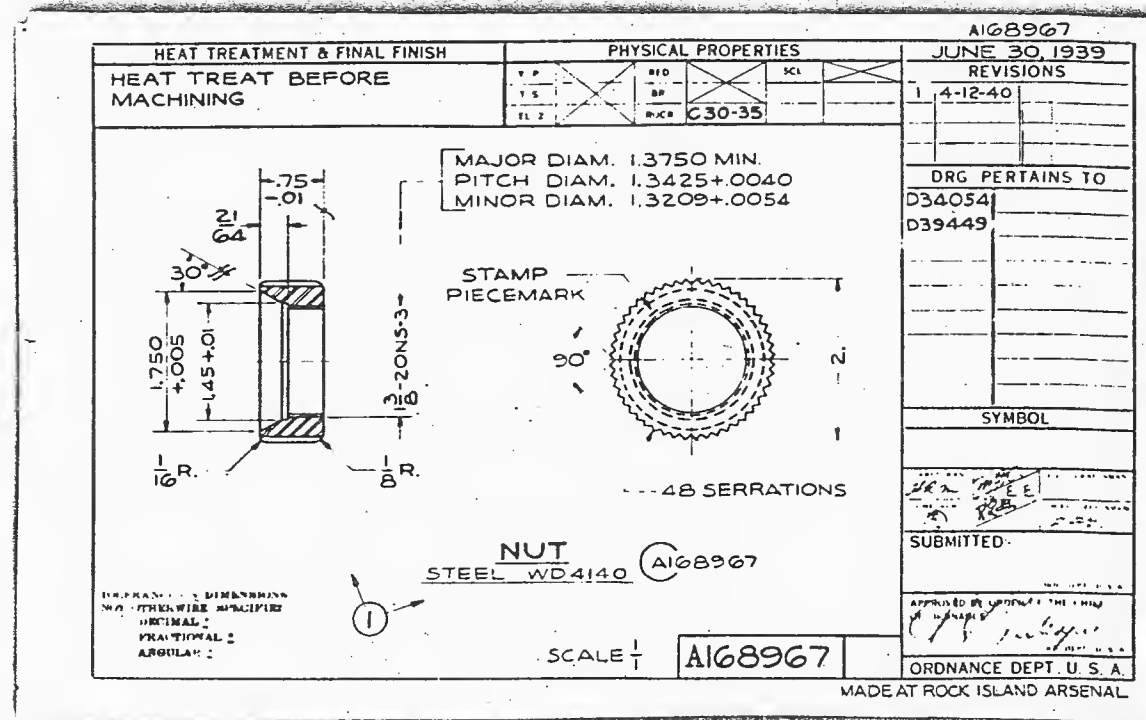


MICROFILM - A 44



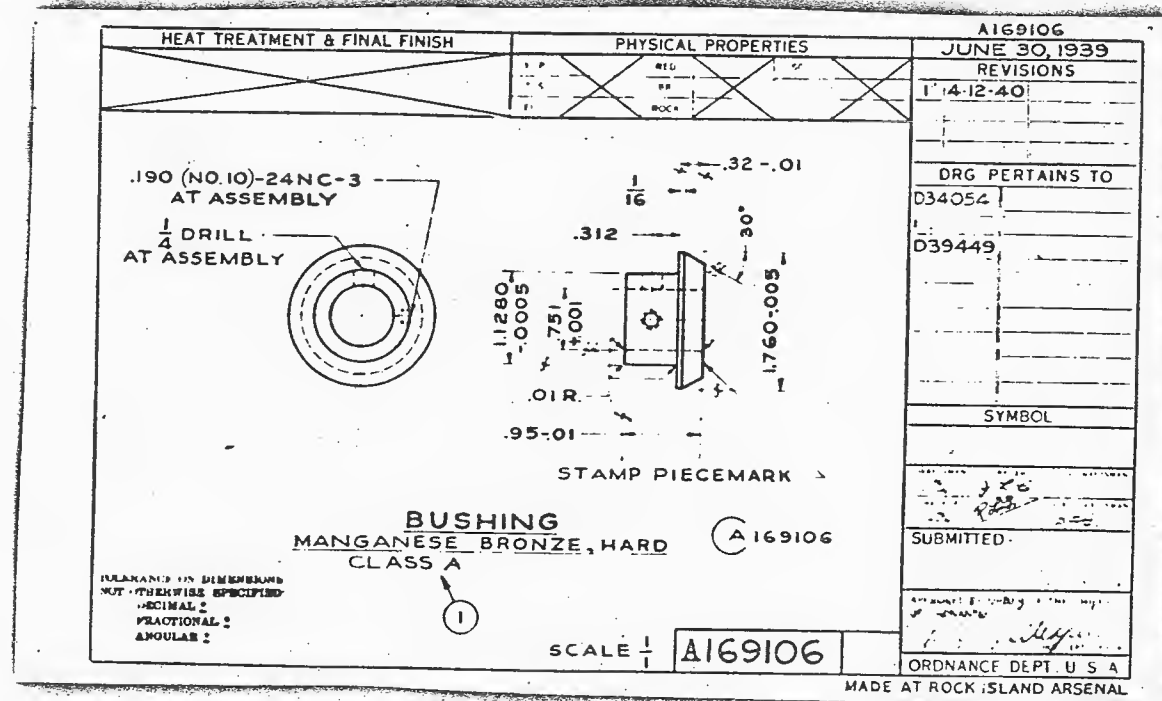






MICROFILM - A44 -

2 1



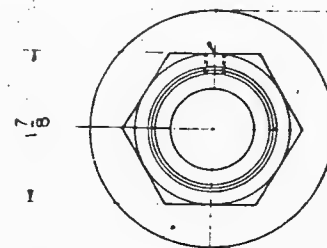
MICROFILM - A 44 -



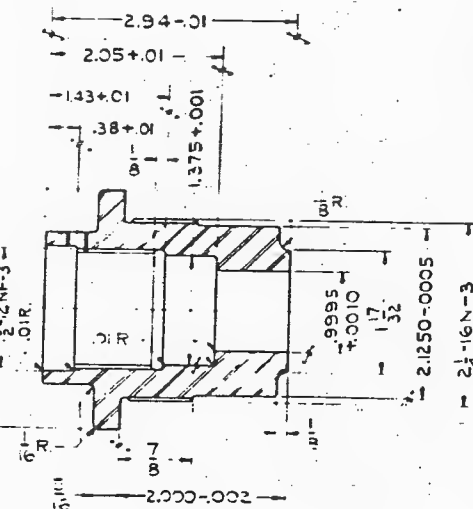
HEAT TREATMENT AND FINAL FINISH

$\frac{1}{4}$ -20 NC-3, AT ASSEMBLY

15625+0010



STAMP PIECEMARK



NUT  
STEEL WDX1315  
AS ROLLED

(B156627

SCALE  $\frac{1}{2}$

B156627

PHYSICAL  
PROPERTIES

TEMP	
PL	
RED	
PH	
MIL A	
MIL	

JUNE 30, 1939  
REVISIONS

1 4-12-40

DRG PERTAINS TO

D34054

D39449

SYMBOL

1. E.O. 12812

E.O. 12812

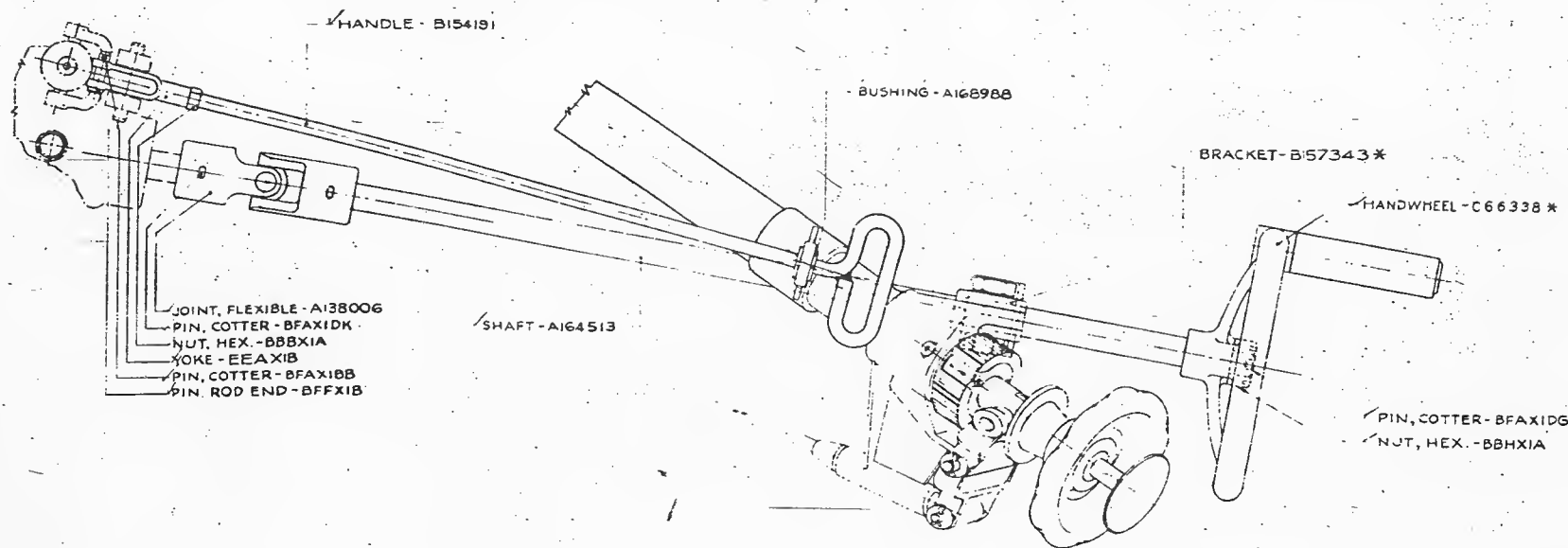
WTN. 12812

SUBMITTED

APPROVED BY ORDER OF THE CHIEF  
OF ORDNANCE

ORD. DEPT. U. S. A.  
MADE AT ROCK ISLAND ARSENAL

MICROFILM - A 44



CONTROLS

NOTES: THIS DRAWING SHALL NOT BE USED FOR REPRODUCTION OF OTHER PARTS OR AS PART OF ANY OTHER DRAWING IN OR OUT OF THE UNITED STATES WITHOUT PERMISSION.

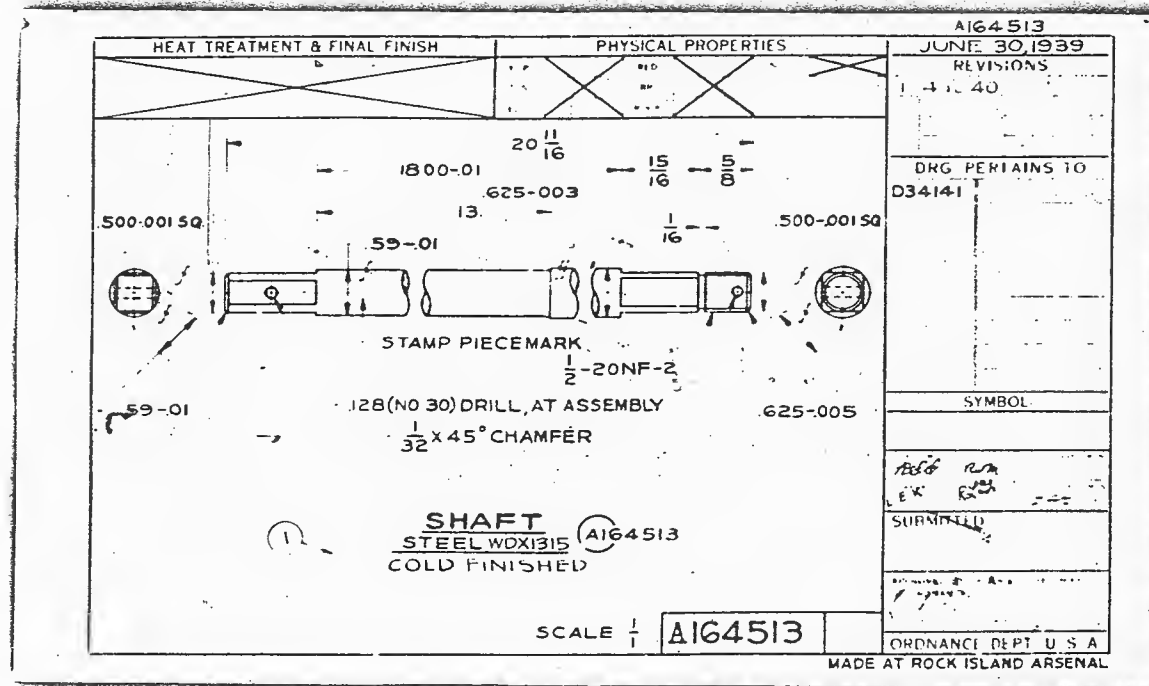
\* FINDING DIAGRAM

JUNE 30, 1939		CLASS	SECTION	DRAWING	FILE
REVISIONS					
1	121439				
SYMBOL					
DRG PERTAINS TO					
1-105-1					
SUBMITTED					
EXAMINED					
APPROVED BY					
ORDNANCE DEPT. U.S.A.					
MADE AT ROCK ISLAND ARSENAL					

MICROFILM - A44 - 306







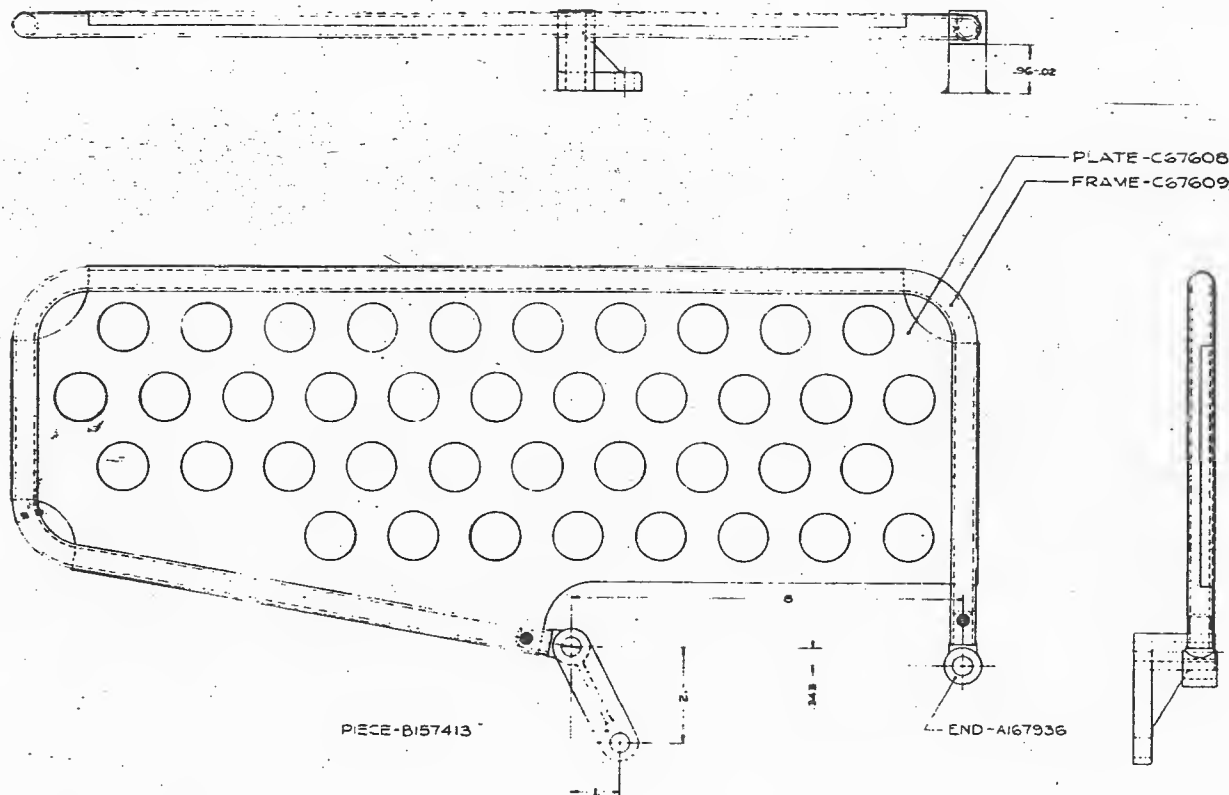
MICROFILM - A44 -











STANDARD OF DIMENSIONS  
AND CONSTRUCTIONS SPECIFICATIONS  
MILITARY  
PLATE-C67608  
PIECE-B157413

GUARD SHOULDER (WELDED) D33860

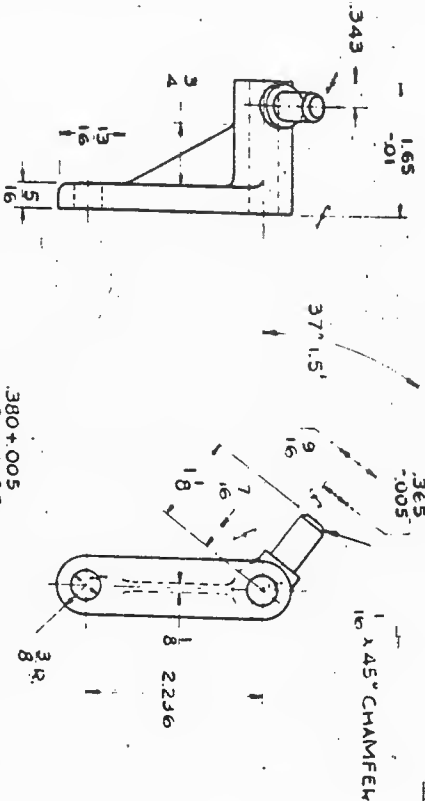
0 1 2 3 4 5 6 7 8 9 10 11 INCHES

JUL 12 30 1955		CLASS	EXTENSION	REVISION
REVISIONS				
SYMBOL				
ORG. PERTAINS TO				
C34257	HRM.	FILED	TYPE	
C50504	HRM.	FILED	TYPE	
D41005	SUBMITTED	FILED	TYPE	
EXAMINED				
ORDNANCE DEPT. U. S.				
MADE AT ROCK ISLAND AR				

MICROFILM - A44 - 227

HEAT TREATMENT & FINAL FINISH		PHYSICAL PROPERTIES	
		JUNE 30, 1939 REVISIONS 1 12-40	
END (A167936) STEEL WDX1020 COLD FINISHED		DRG PERTAINS TO D33860	
SCALE 1/4" = 1"		SUBMITTED:	
A167936		ORDNANCE DEPT U S A	
MADE AT ROCK ISLAND ARSENAL			

MICROFILM - A44 -



PIECE (B157413)  
 STEEL WDX1020  
 AS FORGED

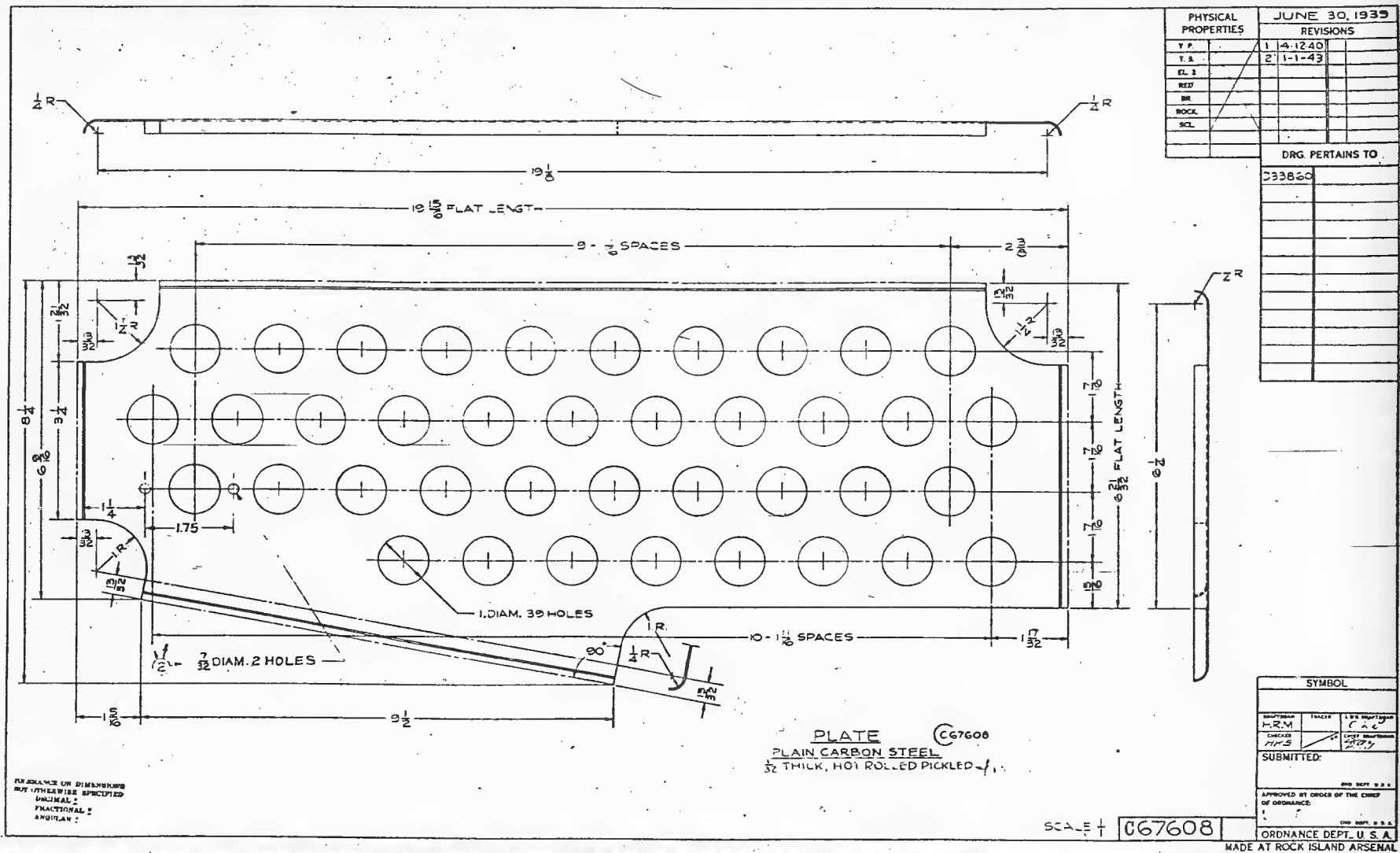
ALL FILLETS AND RADII TO  
 BE 1/8 UNLESS OTHERWISE SPECIFIED

SCALE 1/4" = 1"

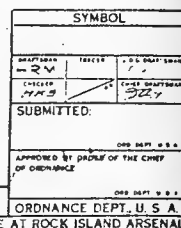
B157413

ORDNANCE DEPT U  
 MADE AT ROCK ISLAND A

MICROFILM - A44 -



MICROFILM - A44 - 340



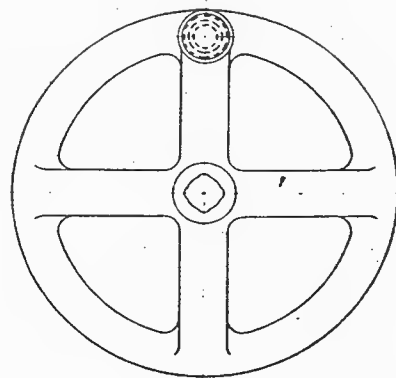
SCALE: C67609

ORDNANCE DEPT., U. S. A.  
MADE AT ROCK ISLAND ARSENAL

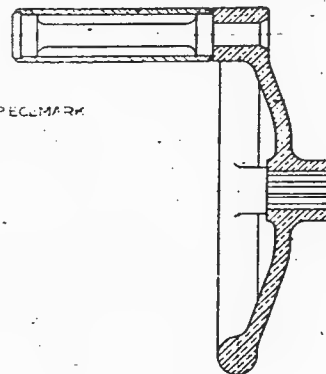
MICROFILM - A44 - 34.1



PHYSICAL PROPERTIES		JUNE 20, 1939 REVISIONS	
Y P			
T S			
CL 2			
RED			
BL			
ROCK			
SCL			
		DRG. PERTAINS TO	
		D34141	
		D39449	
		D41235	
		D41294	



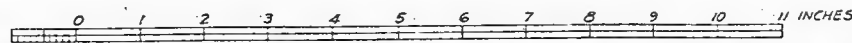
STAMP PECUMARK



STEM-A164138  
SLEEVE-A164139

HANDWHEEL-B153909

HANDWHEEL 066338



066338

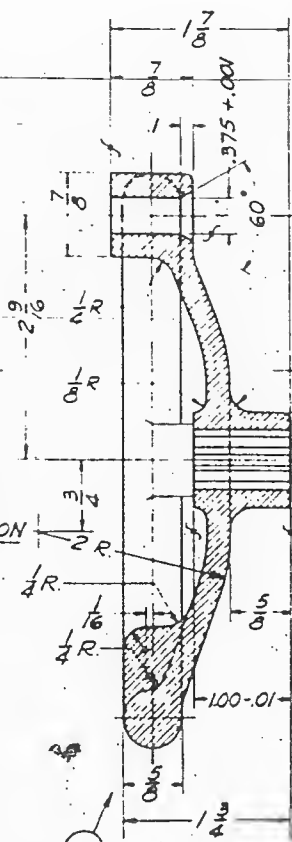
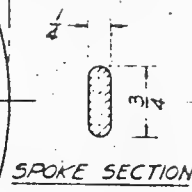
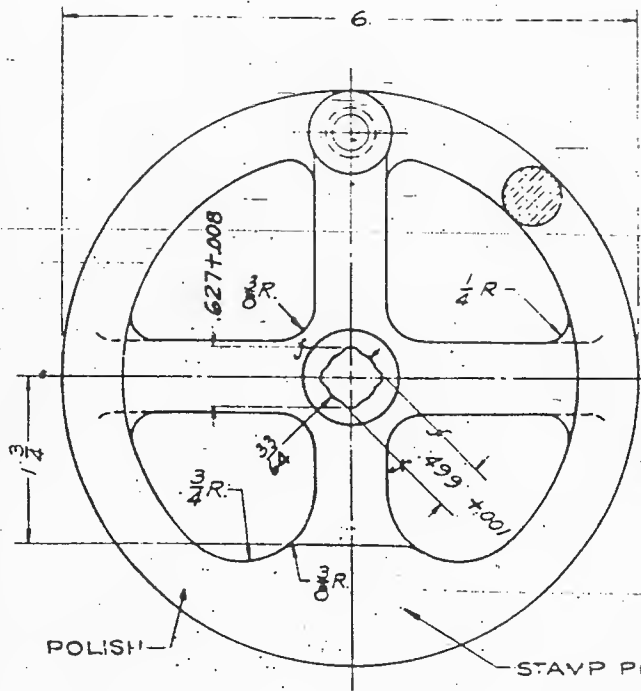
SYMBOL			
DESCRIPTION	REVISION	DATE	BY
HRM			
158			
SUBMITTED:			
APPROVED BY ORDNANCE			
ORDNANCE			

MICROFILM - A44 - 2 1 0

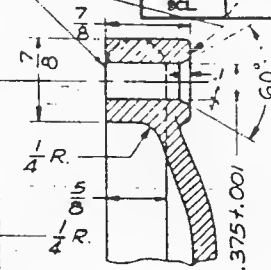
HEAT TREATMENT AND FINAL FINISH  
~~HEAT TREATING~~

3

PHYSICAL PROPERTIES		JUNE 30, 1939			
		REVISIONS			
T. P.		1	8-28-39		
T. S.	50-000	2	4-12-40		
EL. 2		3	8-4-41		
RED		4	6-17-42		
DR.					
ROCK					
BCL					



3  
 COINED SURFACE



ALTERNATE SECTION

4

HANDWHEEL (B153909)  
~~ALUMINUM ALLOY CASTING, CLASS RC-1~~  
 MALLEABLE IRON CASTING, TYPE A

SCALE 1/2"

B153909

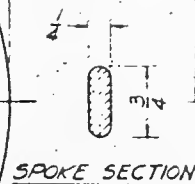
DRG. PERTAINS TO		
C66338		
SYMBOL		
REVISIONS	TRACER	LVS DESIGNED
N.R.M.		C.
CHECKED		CHIEF DRAFTSMAN
R.E.H.		
SUBMITTED:		
ORDNANCE DEPT. U.S.A.		
MADE AT ROCK ISLAND ARSENAL		

~~HEAT TREATING~~

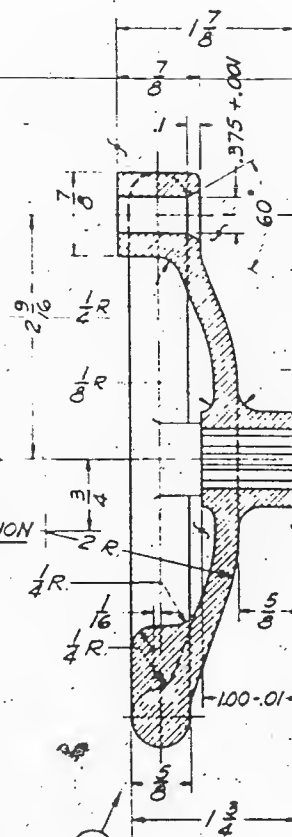
③



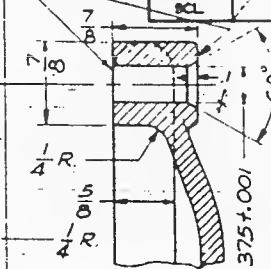
-STAMP PIECE MARK



SPOKE SECTION



COINED  
SURFACE



### ALTERNATE SECTION

## PHYSICAL PROPERTIES

JUNE 30, 1939

## REVISIONS

Y.P.	<del>1</del>	1	8-28-39	
Y.S.	<del>50-000</del>	2	4-12-40	
EL. 2		3	8-4-41	
RED		4	6-17-42	
BL				
ROCK				
SCL				

DRG. PERTAINS TO

C 66338

SYMBOL

DRAFTER H.R.M.	TRACER	LVS DRAFTER C.
CHECKER		CHIEF DRAFTER

**SUBMITTED:-**

CONFIDENTIAL

APPROVED BY ORDER OF THE CHIEF OF ORDNANCE

1957年 12月 12日

ORDNANCE DEPT., U. S. A.

MADE AT ROCK ISLAND ARMORY

HANDWHEEL (B153909)

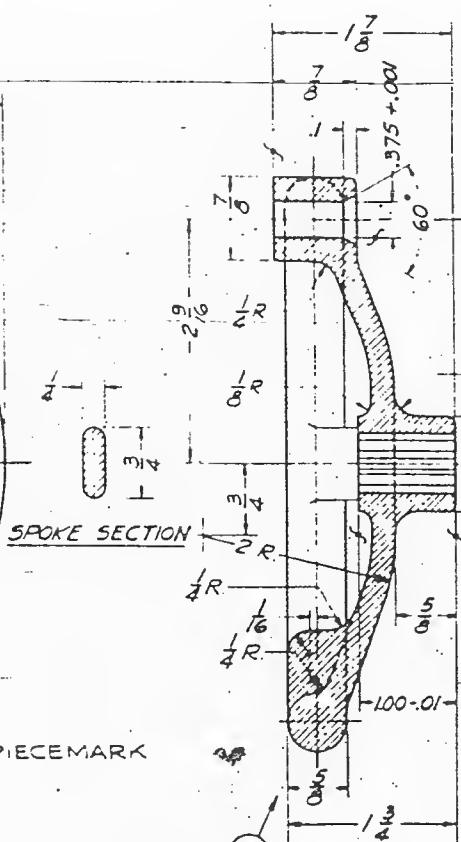
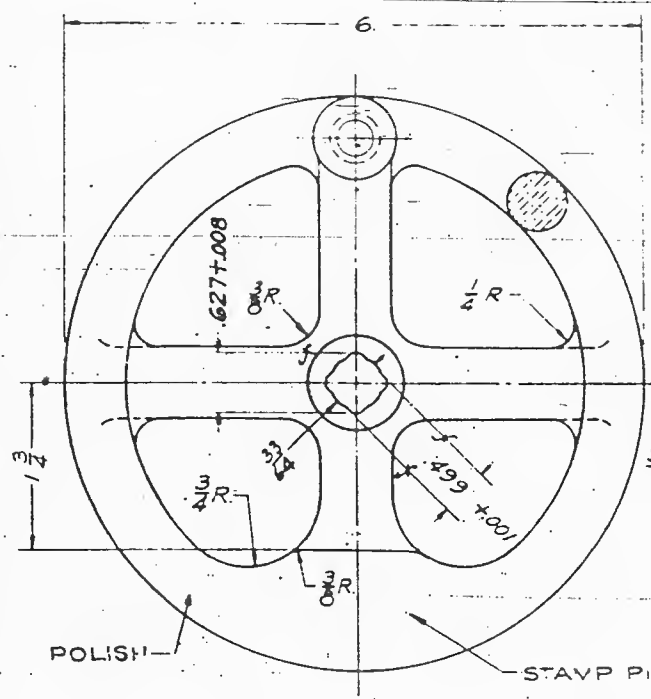
~~SECURITY INFORMATION~~  
MALLEABLE IRON CASTING, TYPE A

SCALE 1

**B153909**

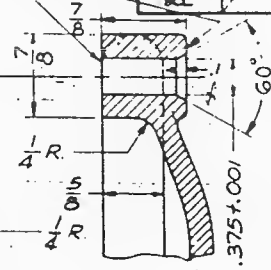
HEAT TREATMENT AND FINAL FINISH  
~~HEAT TREATING~~

3



3

COINED SURFACE



ALTERNATE SECTION

4

SPOKE SECTION

HANDWHEEL (B153909)  
~~ALUMINUM ALLOY CASTING, CLASS NO. 4~~  
 MALLEABLE IRON CASTING, TYPE A

SCALE 1/4" = 1" B153909

PHYSICAL PROPERTIES		JUNE 30, 1939 REVISIONS	
V. P.		1	8-28-39
T. R.	50-000	2	4-12-40
EL. 2		3	8-4-41
RED		4	6-17-42
DR.			
ROCK.			
SCL.			

DRG. PERTAINS TO  
 C66338

SYMBOL

DRAFTER H.R.M.	TRACER	LTPS DRAFTSMAN P.A.
CHECKER R.E.H.		CHIEF DRAFTER

SUBMITTED:

APPROVED BY ORDER OF THE CHIEF OF ORDNANCE

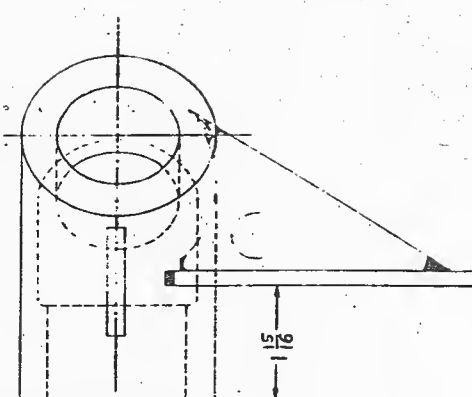
ORDNANCE DEPT. U. S. A.  
 MADE AT ROCK ISLAND ARSENAL

HEAT TREATMENT AND FINAL FINISH

PHYSICAL PROPERTIES	MARCH 4, 1942	
	REVISIONS	
1	2	20 42
2	6	24 42
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		

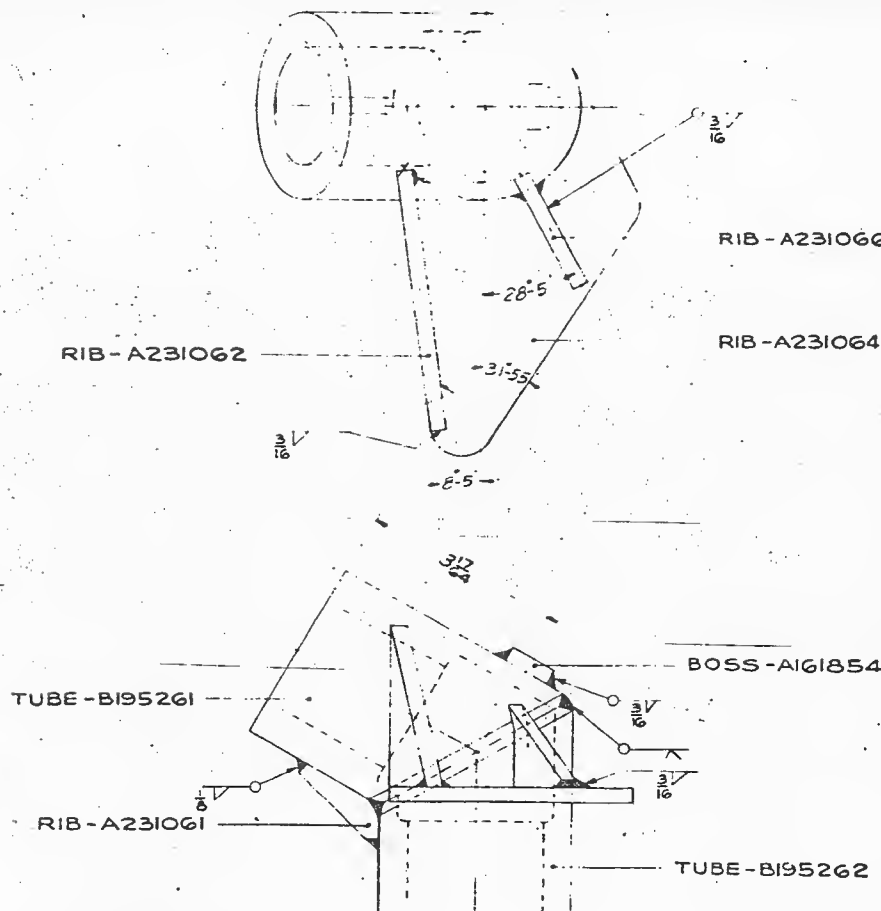
DRG PERTAINS TO

C90851



REFERS TO DUPLEX PRINTING  
PRESS CO'S DRG NO. 032915-1

DATE: 10/10/41  
DRAWN BY: J. L. L. L.  
CHECKED BY: J. L. L. L.  
APPROVED BY: J. L. L. L.  
SCALE: 1/16" = 1"



HOUSING  
FIRST WELDING

0 1 2 3 4 5 6 7 8 9 10 11 INCHES

C90850

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20

ORDNANCE DEPT U S A  
MADE AT ROCK ISLAND ARSENAL

MICROFILM - A44 - 266

HEAT TREATMENT AND FINAL FINISH

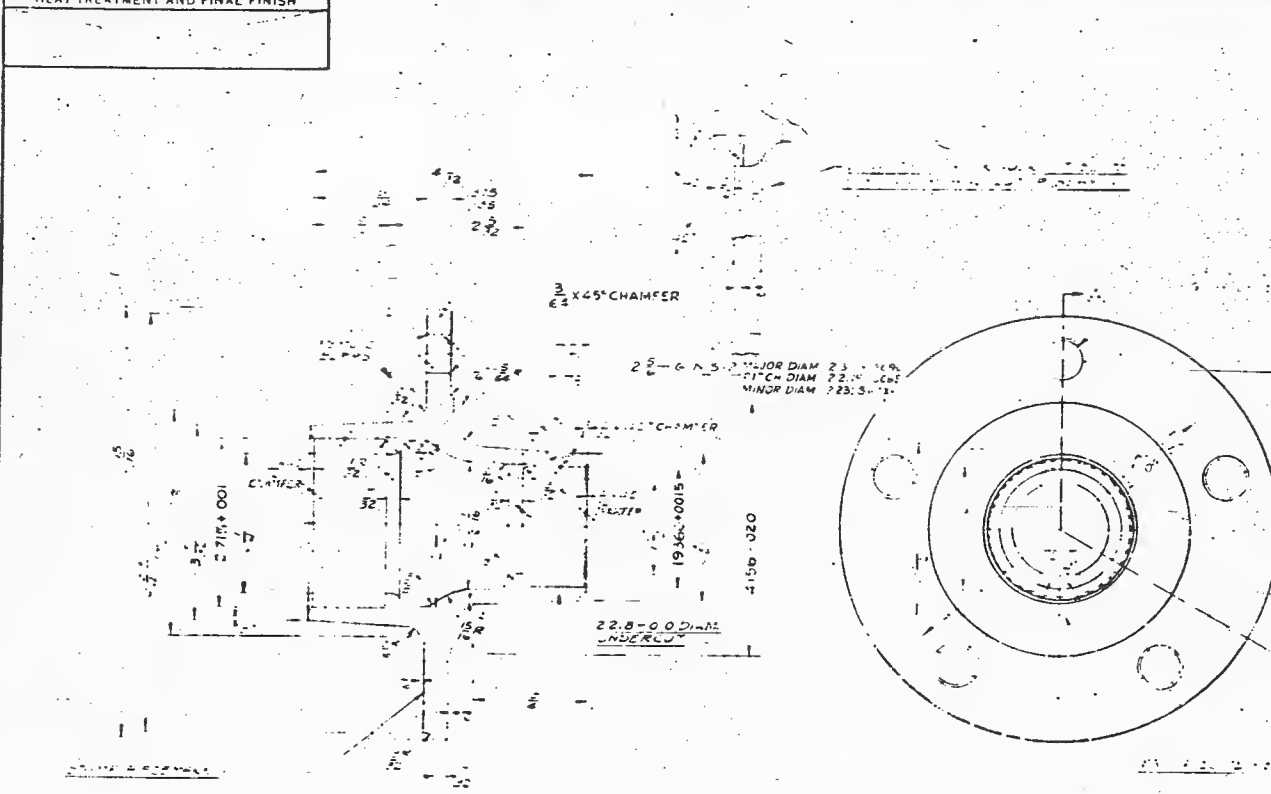
PHYSICAL  
PROPERTIES

APRIL 14, 1942  
REVISIONS

Y P  
T S  
EL 2  
REC  
BR  
ROCK  
SCL

DRG PERTAINS TO

125537



SECTION A-A

H. B. MAL. IRON C. 91034

REFERS TO BUDD WHEEL COS  
DRAWING NO 45405-D

REVISION  
BY  
DATE  
APPROVAL  
A-1318

FX  
SUBMITTED:  
1. 10 m.  
ORDNANCE DEPT. U.S.A.

C91634

MICROFILM - A 44

HEAT TREATMENT & FINAL FINISH		PHYSICAL PROPERTIES		JUNE 30, 1939	
NO.	REVISIONS	NO.	REVISIONS	NO.	REVISIONS
1	6-21-39	1	6-21-39	1	6-21-39
2	2-24-42	2	2-24-42	2	2-24-42

COLLAR-A172464		GUIDE-A172464		SPRING-HELICAL-A168744		PLUNGER-A168742	
ENDS OF PIN PERMED OVER		CAN-A172476		HOUSING, LATCH-A168740		DNG. PERTAINS TO	
WASHER-A172599		CUR. OIL-CLFXZA				D33985	
PIN, STRAIGHT-BEDXICP		LATCH A168746				D31126	
						D54027	

SUBMITTED		DATE		BY	
YES	NO	DATE	BY	DATE	BY
YES	NO	DATE	BY	DATE	BY

ORDNANCE DEPT. U.S.A.	
MADE AT ROCK ISLAND ARSENAL	

MICROFILM - A 44 - 3884

HEAT TREATMENT & FINAL FINISH		PHYSICAL PROPERTIES		JUNE 30, 1939	
NO.	REVISIONS	NO.	REVISIONS	NO.	REVISIONS
1	6-21-39	1	6-21-39	1	6-21-39
2	2-24-42	2	2-24-42	2	2-24-42

COLLAR-A172464		GUIDE-A172464		SPRING-HELICAL-A168744		PLUNGER-A168742	
ENDS OF PIN PERMED OVER		CAN-A172476		HOUSING, LATCH-A168740		DNG. PERTAINS TO	
WASHER-A172599		CUR. OIL-CLFXZA				D33985	
PIN, STRAIGHT-BEDXICP		LATCH A168746				D31126	
						D54027	

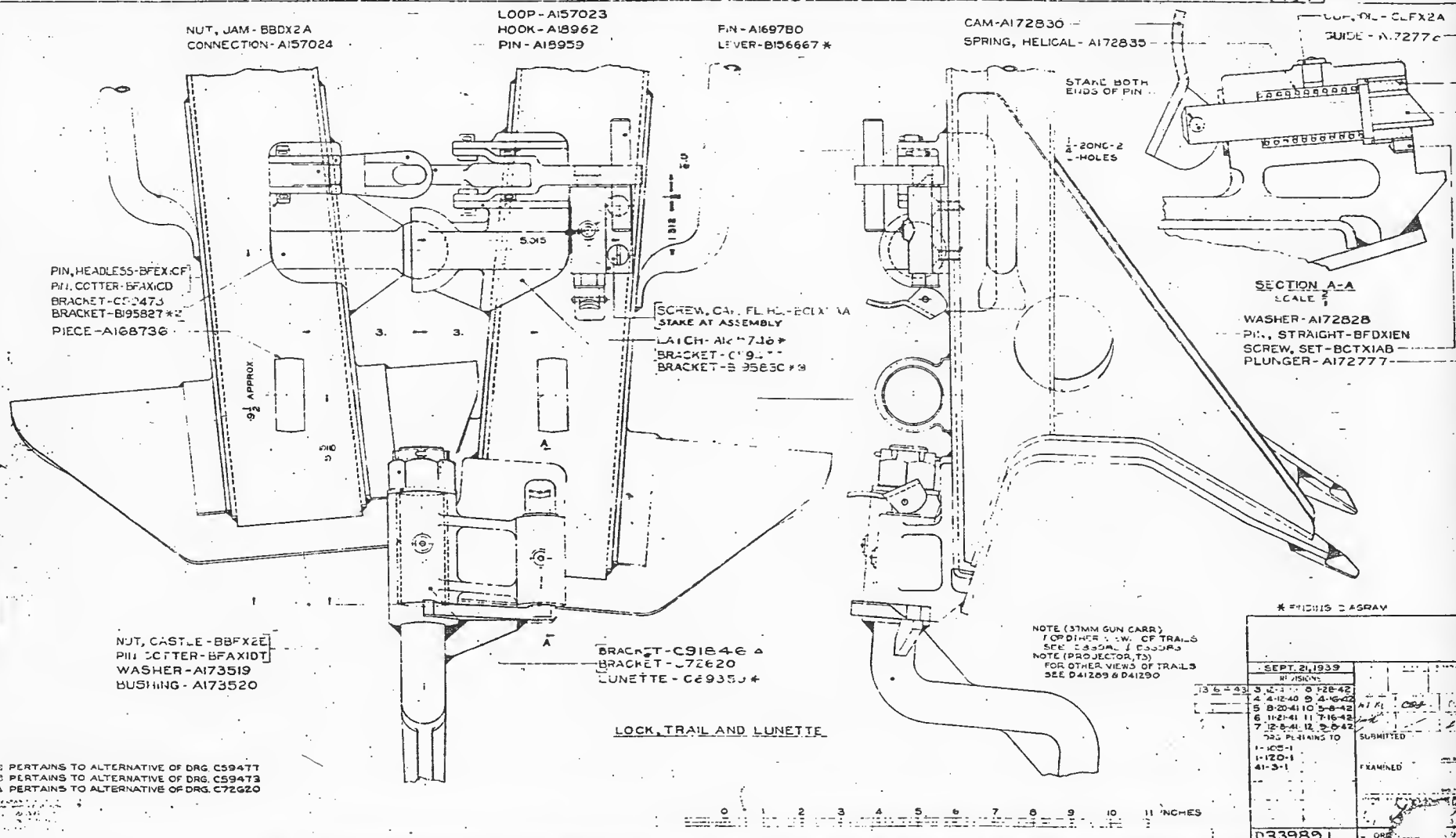
SUBMITTED		DATE		BY	
YES	NO	DATE	BY	DATE	BY
YES	NO	DATE	BY	DATE	BY

ORDNANCE DEPT. U.S.A.	
MADE AT ROCK ISLAND ARSENAL	

MICROFILM - A 44 -

3884



MICROFILM - A44 - 400





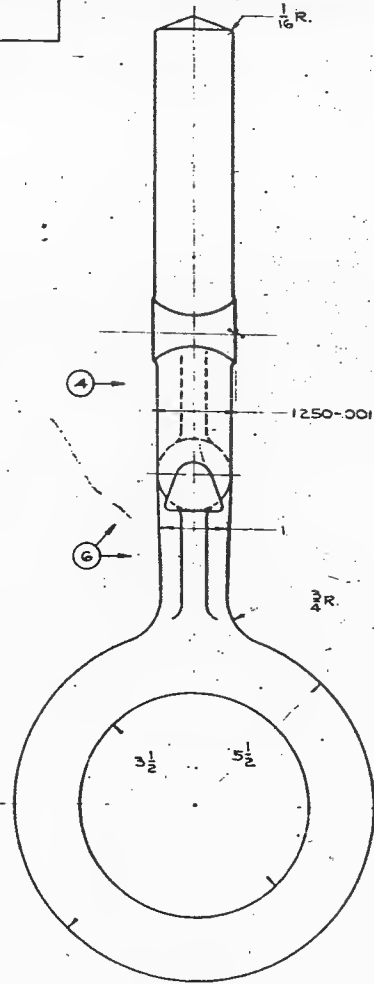




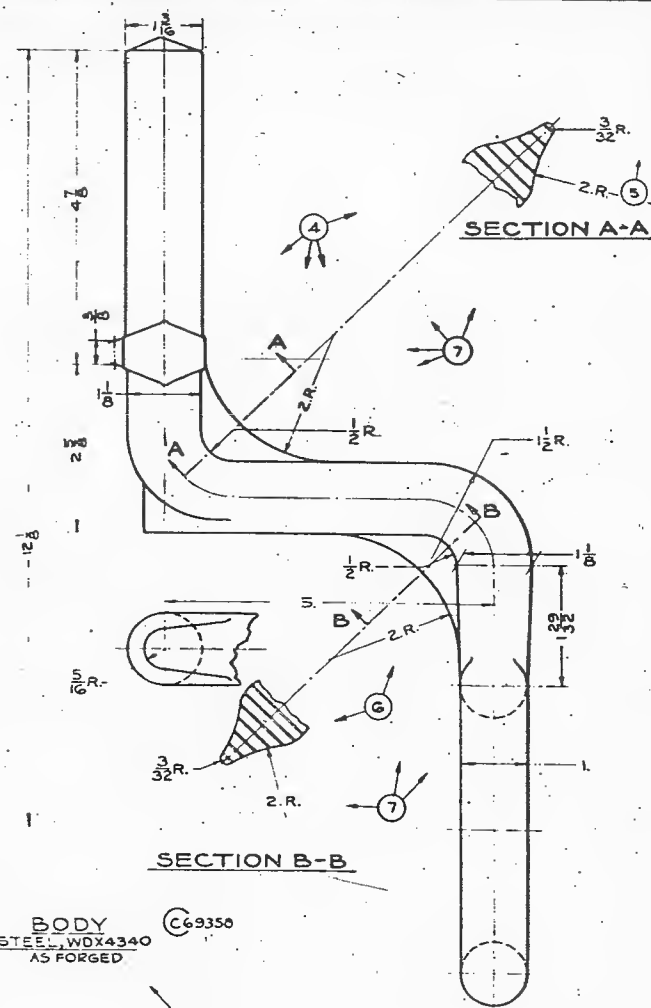




③



PULCRANCE ON DIMENSIONS  
 NOT OTHERWISE SPECIFIED  
 ORIGINAL :  
 PLASTIC :  
 6/11/71



BODY  
STEEL, WDX4340  
AS FORGED

C69358

③

PHYSICAL PROPERTIES		JULY 18, 1939	
		REVISIONS	
Y P		2	11-28-39
T S		3	4-12-40
EL 2		4	8-20-41
PFD		5	9-16-41
DR		6	12-8-41
NO. 1	C30-35	7	5-28-42
SCL			

DRG. PERTAINS TO

C69359

[illegible]

SYMBOL	
ARM 6 M H C	
BR 2 1/2	275
SUBMITTED.	
RECEIVED BY <i>10/10/54</i> THE <i>6 M</i> OF <i>10/10/54</i>	
ORDNANCE DEPT. U. S.	
AT ROCK ISLAND ARSENAL	

SCALE  $\frac{1}{2}$  069358

MADE AT ROCK ISLAND ARSENAL

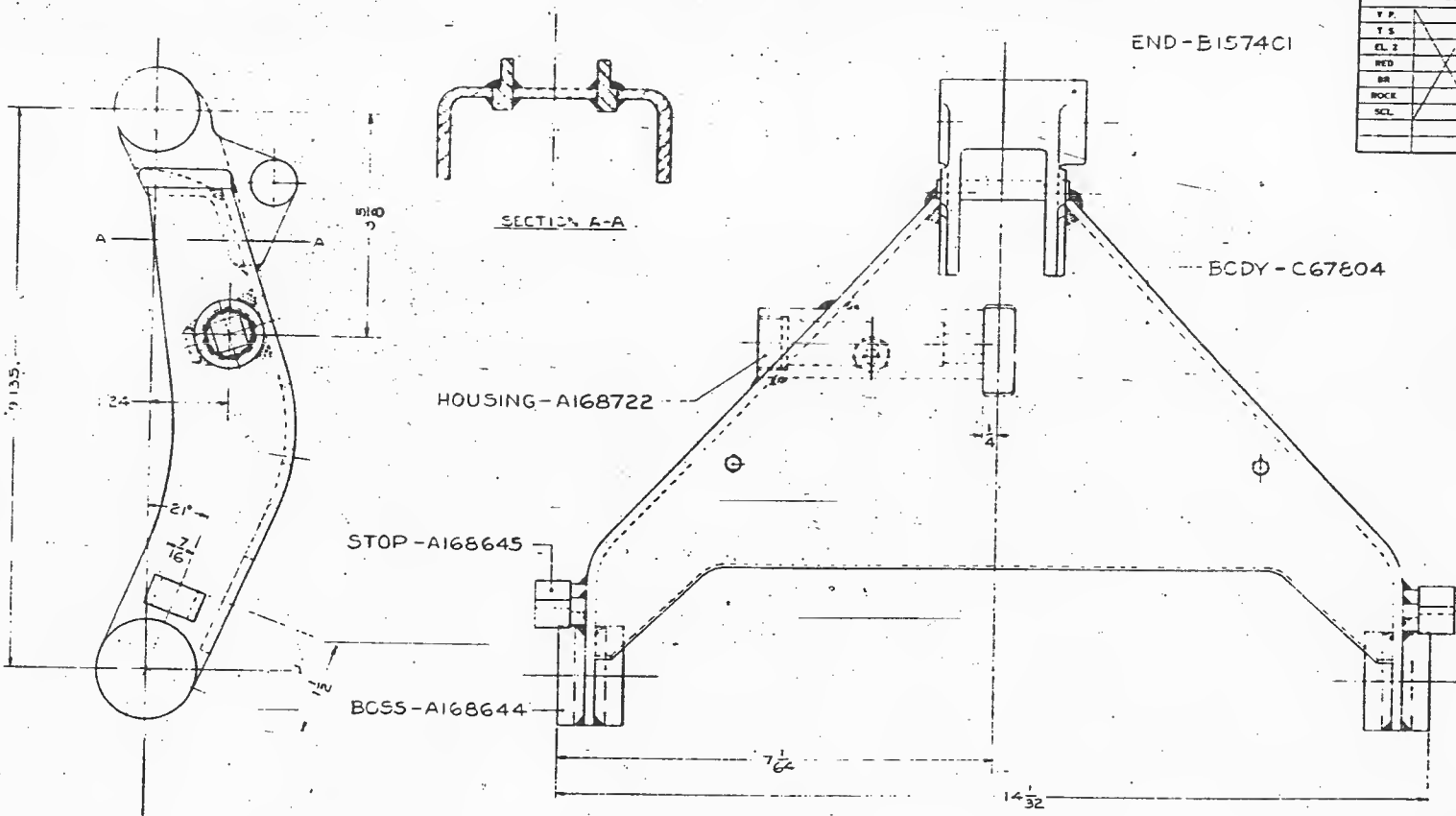
MICROFILM - A44 - 1.28







ALL DIMENSIONS  
OF THIS DRAWING  
FRACTIONAL  
EIGHTH &  
THIRDS



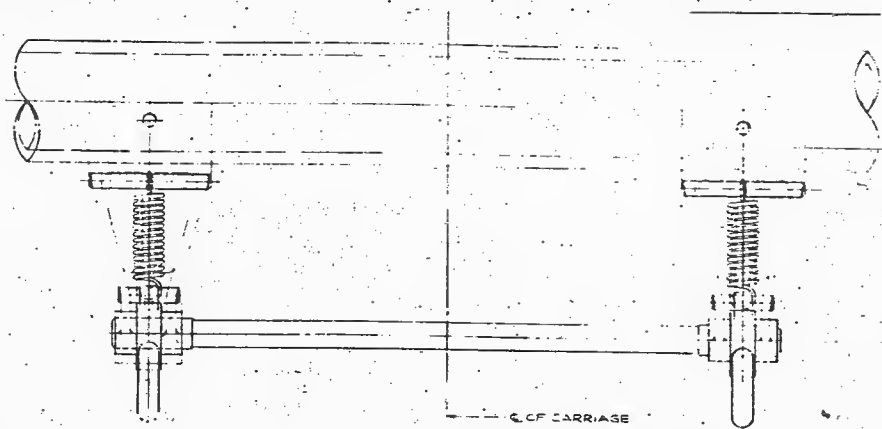
PHYSICAL PROPERTIES		JUNE 30, 1939 REVISIONS	
Y.P.			
T.S.			
CL. 2			
RED			
BR			
ROCK			
SCL			

DRG. PERTAINS TO	
C67806	
C91530	

SYMBOL	
AWR	AWR
CD	CD
SUBMITTED:	
APPROVED BY ORDER OF THE CHIEF OF ORDNANCE:	
ORDNANCE DEPT., U. S. A.	
MADE AT ROCK ISLAND ARSENAL	

MACHINED LOCK C67806  
C67805

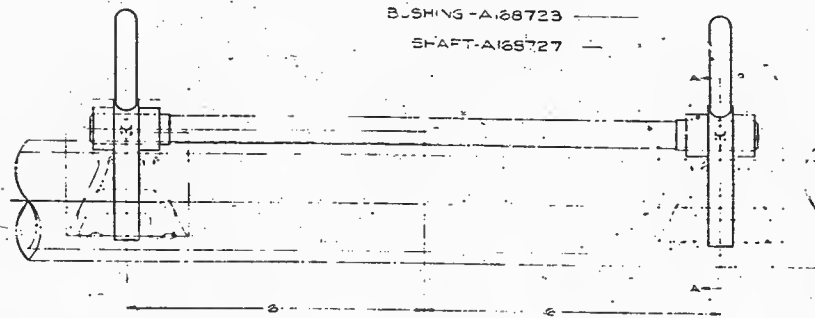
MICROFILM - A44 - 1 1 2



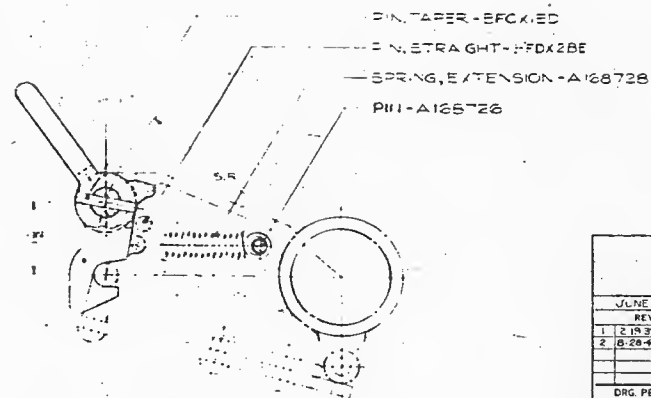
HOOK-A168724

BUSHING-A168723

SHAFT-A165727



MECHANISM, APRON LOCKING



SECTION A-A

JUNE 30, 1939		CLASS	SYMBOL	REVISIONS
1	2 19 37			
2	8 28 40			
DRG. PERTAINS TO		BY	CHKD	DATE
1-105-1		DLM		
1-120-1				
		SUBMITTED		
		EXAMINED		
		APPROVED BY (Signature)		
		DATE		
		D34021		

ORDNANCE DEPT, U.S.  
MADE AT ROCK ISLAND AIC

MICROFILM - A44 - 430



SCREW, CAP. HEX. HD.-BC8X3CB  
NUT, LOCKING-BFWX1A  
PIN, STRAIGHT-BFDX5R

BRACKET-B154015  
BUSHING-A164356  
CASE, GEAR-C67814  
SCREW, CAP. HEX. HD.-BCBX1BD  
WASHER, LOCK-SHAKEPROOF-BEAX1K

BUSHING-A164518  
CAP-A 6490  
WASHER-A 64396

WASHER-A169679  
GEAR, BEVEL-A168655  
SCREW, ELEVATING-B 56639  
THIMBLE-A168665

BEARING, THRUST-A168684

PIN, STRAIGHT-BFDX2AC  
CASE, GEAR-C67813  
BUSHING-A168719  
FITTING-A 68622

GEAR, SHAFT-B 56624

BUSHING-A168719  
RETAINER, OIL-A164397  
NUT-A164191  
PIN, COTTER-BFAX1BE  
GEAR, BEVEL-A168654

SCREW, SET-BCTX2R  
CUP-A168652  
PIN, STRAIGHT-BFDX1BC

FITTING-A 28622

SCREW, SET-BCTX1BD

CONTROLS, ELEVATING AND FIRING-D34054 \*

MECHANISM, ELEVATING

\* FINDING DIAGRAM

JUNE 30 1939		CLASS.	BY NAME	REVISION
REVISIONS				
1	11-3-39			
2	4-8-42			
		SYMBOL		
DRG. PERTAINS TO		LRM	YLM	1-105-1
SUBMITTED:				
EXAMINED:				
APPROVED BY NAME OF THE COMMANDER				
D34139		ORDNANCE DEPT. U. S. A. MADE AT ROCK ISLAND ARSE		

MICROFILM - A 44 -

436

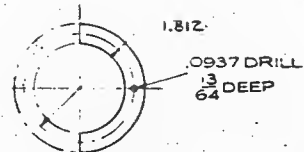


[illegible]

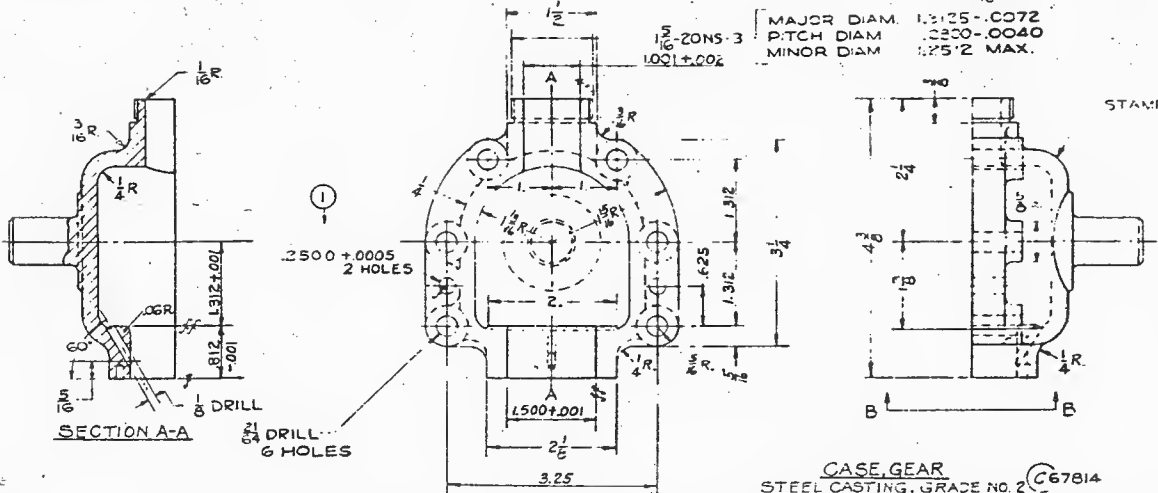
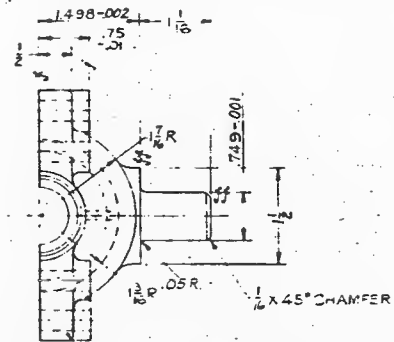
452



PHYSICAL PROPERTIES		JUNE 30, 1942	
		REVISIONS	
Y P		1	A-1-A-42
T S			
EL 2			
RED			
BR			
ROCK			
SCL			
		DRG. PERTAINS TO	
		024.39	
		D39450	



VIEW B-B



STAMP RECORD

NOTE: MACHINE WITH MATING PART C67813

ALL DIMENSIONS  
UNLESS OTHERWISE SPECIFIED  
DECIMALS .0005  
FRACTIONS 1/32  
ANGLES 1°

①

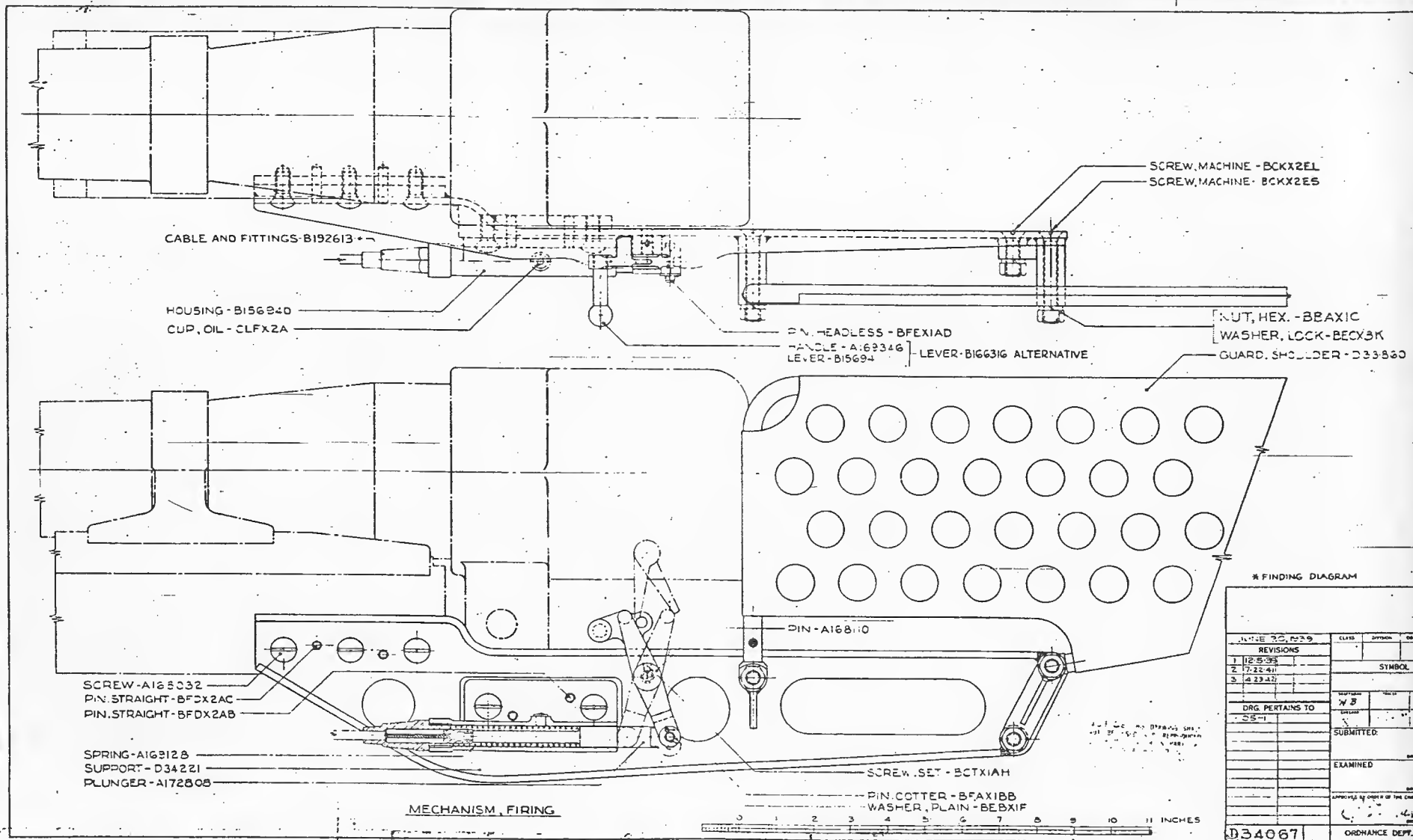
CASE GEAR  
STEEL CASTING, GRADE NO. 2 C67814

SCALE 1/1 C67814

SYMBOL	
OPER.	TRACED
CHECKED	CHECKED
SUBMITTED:	
APPROVED BY CHIEF OF THE ORDNANCE DEPT.	
MADE AT ROCK ISLAND A	

MICROFILM - A44 - 155





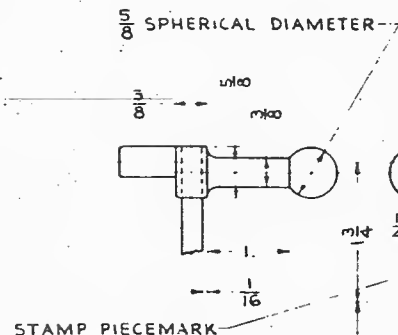
\* FINDING DIAGRAM

DATE	BY	CLASS	SECTION	ORIGIN
REVISIONS				
1	12-5-33			
2	7-22-41			
3	4-23-42			
SYMBOL				
DRG. PERTAINS TO				
D-34067				
SUBMITTED				
EXAMINED				
APPROVED BY OFFICE OF THE CHIEF OF				
D34067				
ORDNANCE DEPT. U.S.				
MADE AT ROCK ISLAND				

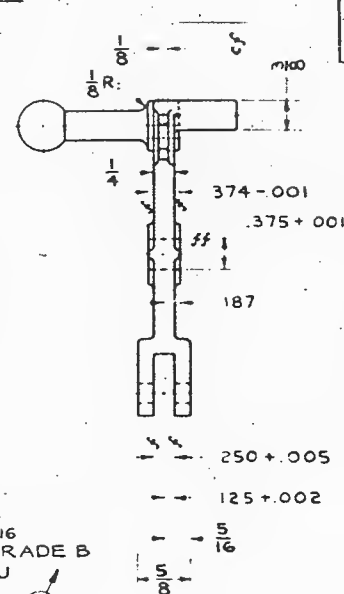
MICROFILM - A44 - 157



HEAT TREATMENT AND FINAL FINISH



SECTION A-A



LEVER

ALUMINUM BRONZE CASTING, GRADE B  
ALTERNATIVE DESIGN, MAY BE USED IN LIEU  
OF A169346 AND B156941

ALL FILLETS AND RADII TO BE  $\frac{1}{16}$   
UNLESS OTHERWISE SPECIFIED.  
BREAK ALL SHARP CORNERS

SCALE  $\frac{1}{4}$

B166316

PHYSICAL PROPERTIES

T P  
T S 80,000  
EL 67-127  
RED  
BR 160  
HOCK  
SCI

JANUARY 18, 1940

REVISIONS

1 1-30-40  
2 2-9-40  
3 4-12-40

DRG PERTAINS TO

D34067

EJM

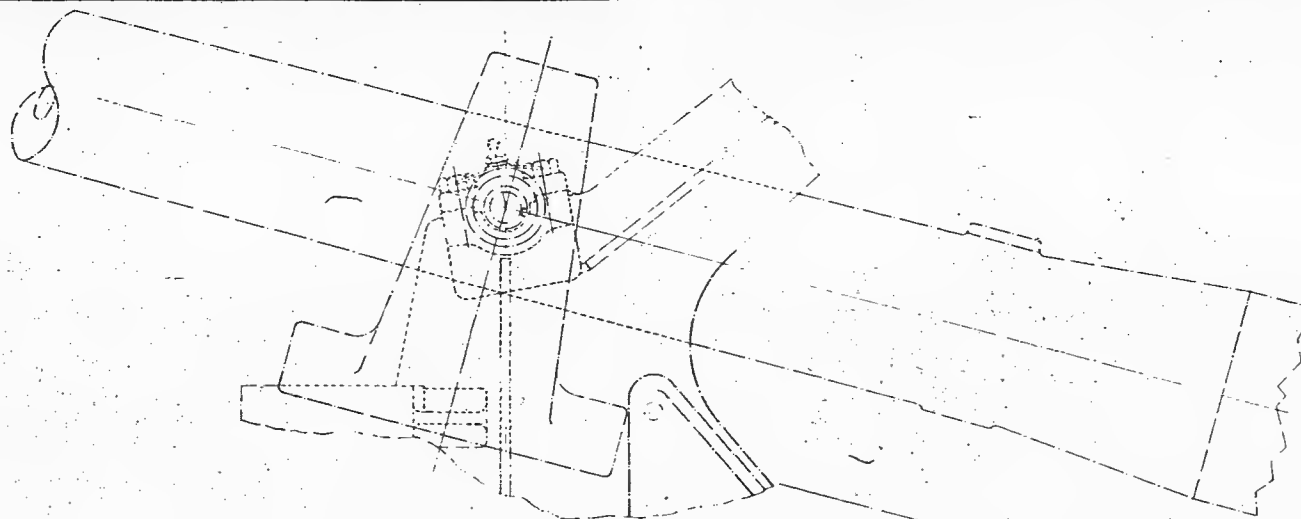
SUBMITTED

ORDNANCE DEPT U S A

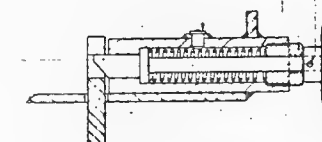
MADE AT ROCK ISLAND ARSENAL

MICROFILM - A44 -





KNOB-AI68749  
 PIN, STRAIGHT-BFDXICM  
 GUIDE-AI68748  
 SPRING, HELICAL-AI68747  
 CUP, OIL-CLFX2A  
 PLUNGER-AI68732



SECTION A-A

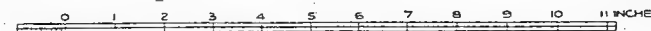
\* FINDING DIAGRAM

PIN-AI64029  
 NUT-AI64058  
 PIN, COTTER-BFAXICR  
 BUSHING-AI64762

LOOP-AI68534

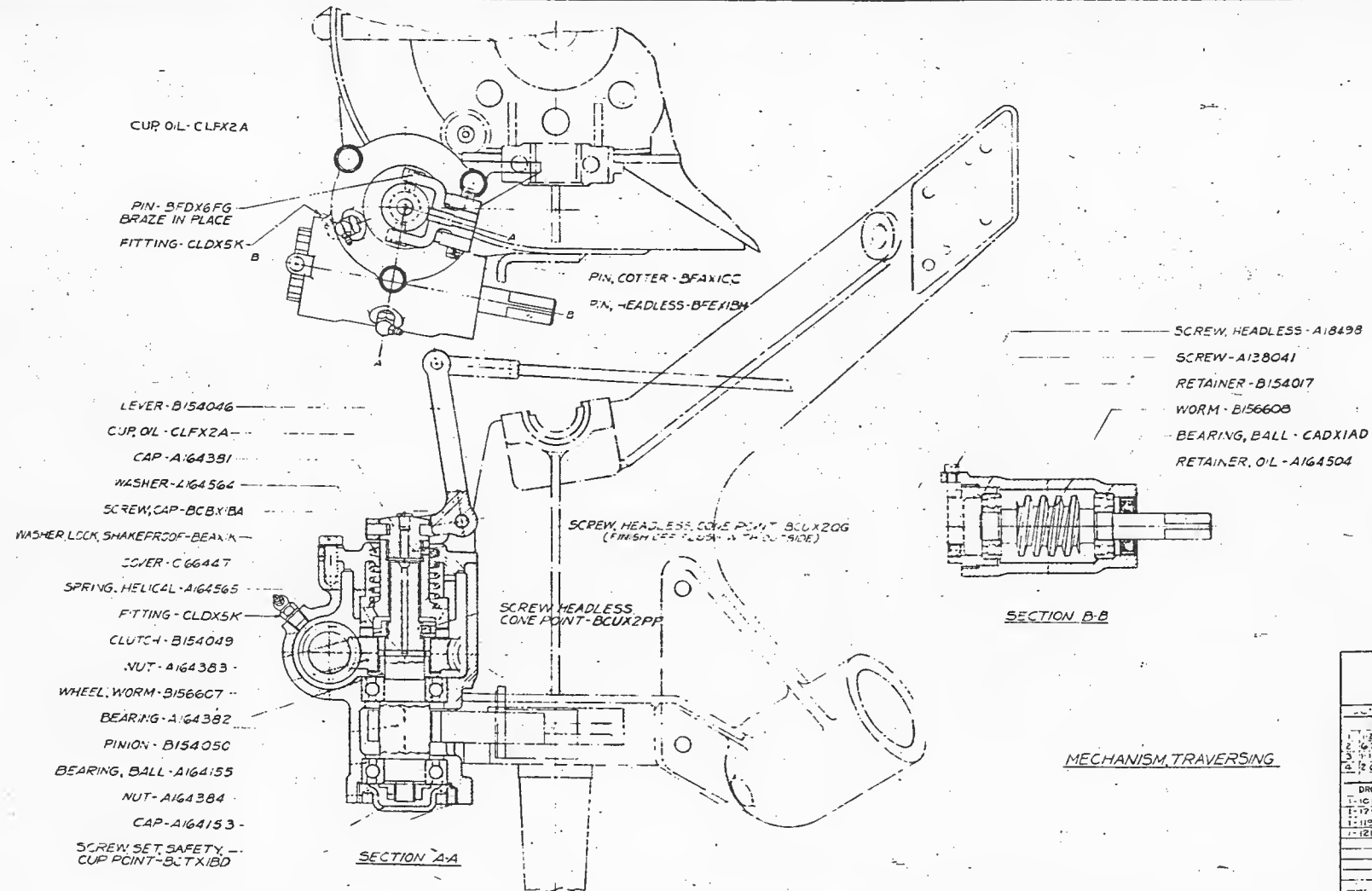
NUT, JAM-BBDXID  
 CONNECTION-AI68539  
 PIN-AI68642  
 PIN, COTTER-BFAXICD  
 PIN, HEADLESS-BFEXICF  
 LEVER-AI68957\*  
 LOCK, TRAVELING-C67806

MECHANISM, LOCK, TRAVELING



JUNE 30, 1939		REVISIONS	
10-19-42		SYMBOL	
DNG RELATES TO		ASSEMBLY	
1-105-1		603 825	
1-120-1		SUBMITTED	
		EXAMINED	
D33980		UNIT NAME DEP. U.S.A.	
		MADE AT WOLF STEEL WORKS	

MICROFILM - A44 - 167



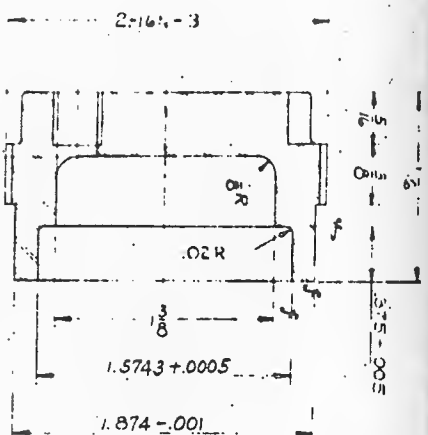
SUPERSEDES OLD TRACING D34188, UNDER REVISION DATE OF 1-1-43

1 2 3 4 5 6 7 8 9 10 INCHES

REVISED 30, 1939		CLASS	REVISION	DATE
REVISIONS				
1	24 42			
2	26 27 42			
3	27 43			
4	28 43			
DRG PERTAINS TO		VTN		
T-105-1				
T-12-1				
T-119-1				
T-121-1				
SUBMITTED				
EXAMINED				
APPROVED BY CHIEF OF THE BUREAU OF ORDNANCE				
D34188		ORDNANCE DEPT. U.S.A. MADE AT ROCK ISLAND ARSENAL		

MODEL M 44

170



D33149	
D34188	
D41294	

[illegible]

SYMBOL

[illegible]

APPROVED BY ORDER OF THE  
OF ORDINANCE

ORDNANCE DEPT.  
MADE AT ROCK ISLAND

MICROFILM - A44

RETA VEP  
WDX 1315  
COLD FINISHED

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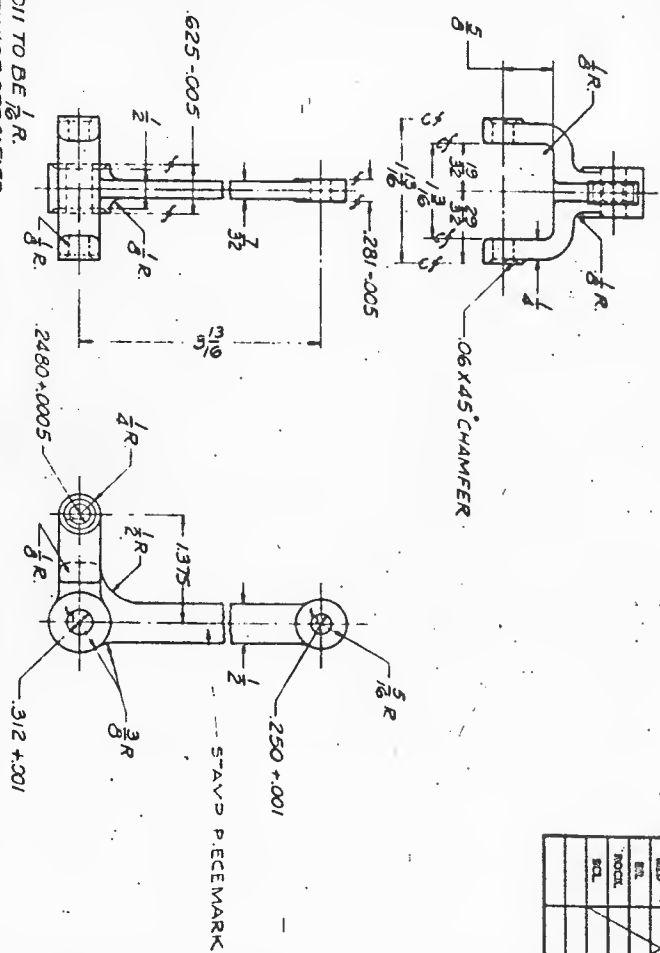
SECRET A-A

1	B154017
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ORDNANCE DEPT.

**MADE AT ROCK ISLAND**

### HEAT TREATMENT AND FINAL FINISH



PHYSICAL PROPERTIES		JUNE 30	REVISIO
T.P.		1	27-42
T.G.			
D.L. 2			
END			
E.T.			
MOLE			
ECL			

DRG. PERTAL

DRUG PERTAINING TO:

D33149	
D34108	

[illegible]

SYMBOL

DATE/TIME	TRACES	
H.R.M.		
CHIRCS		
D.L.M.		
SUBMITTED:-		

SUBMITTED:

APPROVED BY ORDER OF  
OF ORIGINATOR:

ORDNANCE DEPT  
MADE AT ROTTERDAM

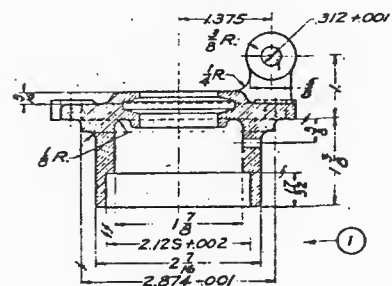
NOTE: ALL RADII TO BE  $\frac{1}{8}$ " R.  
UNLESS OTHERWISE SPECIFIED.

LEVER  
BRONZE CASTING COI NO.5  
OR MALLEABLE IRON CASTING TYPE A

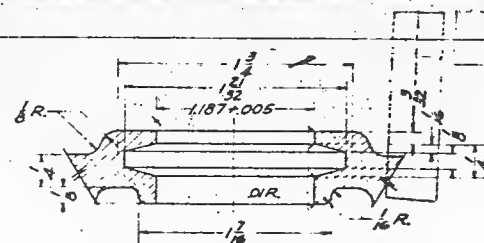
SCALE 1

B154046

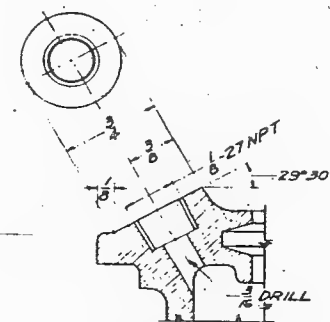
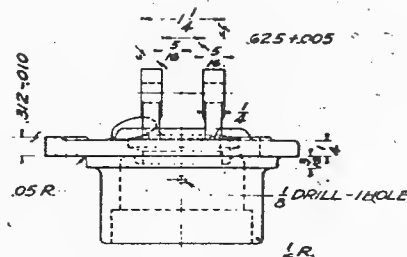
MADE AT PORT ..



SECTION A-A



SECTION B-B  
SCALE 2  
1




SECTION C-C  
SCALE 2'-1"

COVER  
BRONZE CASTING COMPOSITION #5 (C66447

TOLERANCE ON DIMENSIONS  
NOT OTHERWISE SPECIFIED  
DECIMAL :  
FRACTIONAL :  
ANGLE :  
ANGLE :

SCALE  $\frac{1}{4}$

[illegible]

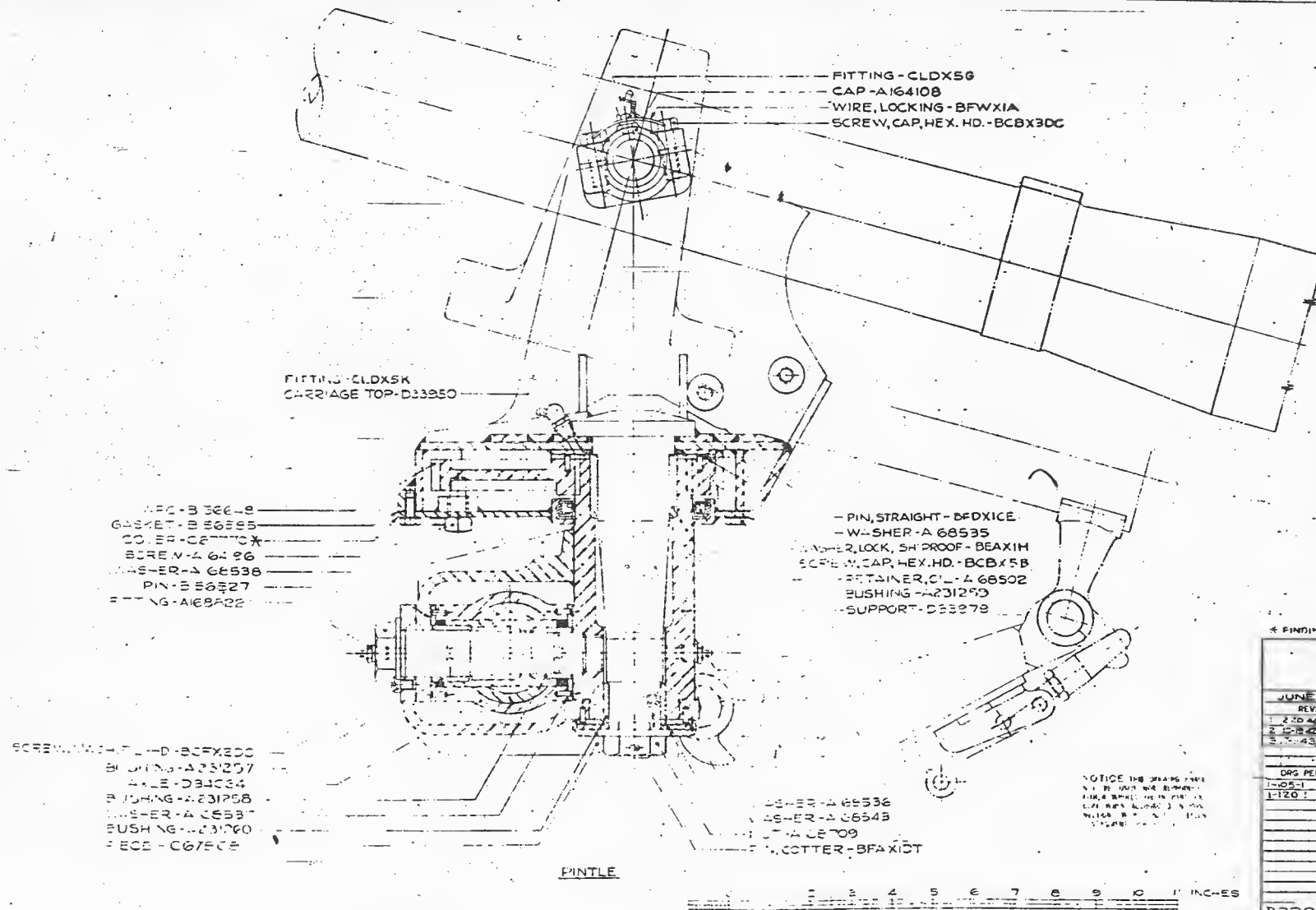
SYMBOL		
BRANCHES <i>W.T.B.</i>	TRACES	L.P. NO.
CHECKS <b>D.L.M.</b>		CHECK BY <i>Dr</i>
SUBMITTED:-		
<div style="text-align: right;">000 000</div> APPROVED BY ORDER OF THE C OF-ORDNANCE L.		
1 2 3 4 5 6 7 8 9 10 11 12 1 2 3 4 5 6 7 8 9 10 11 12		
ORDNANCE DEPT. U.		

DE AT ROCK ISLAND ARS

C66447

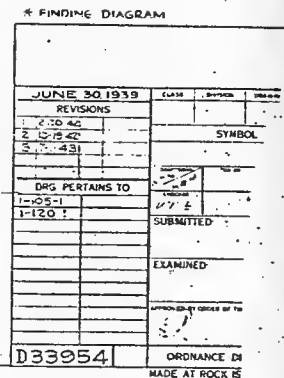
ORDNANCE DEPT. U. S.  
MADE AT ROCK ISLAND ARSE

MICROFILM - A44 - 107



MICROFILM - A44 - 504





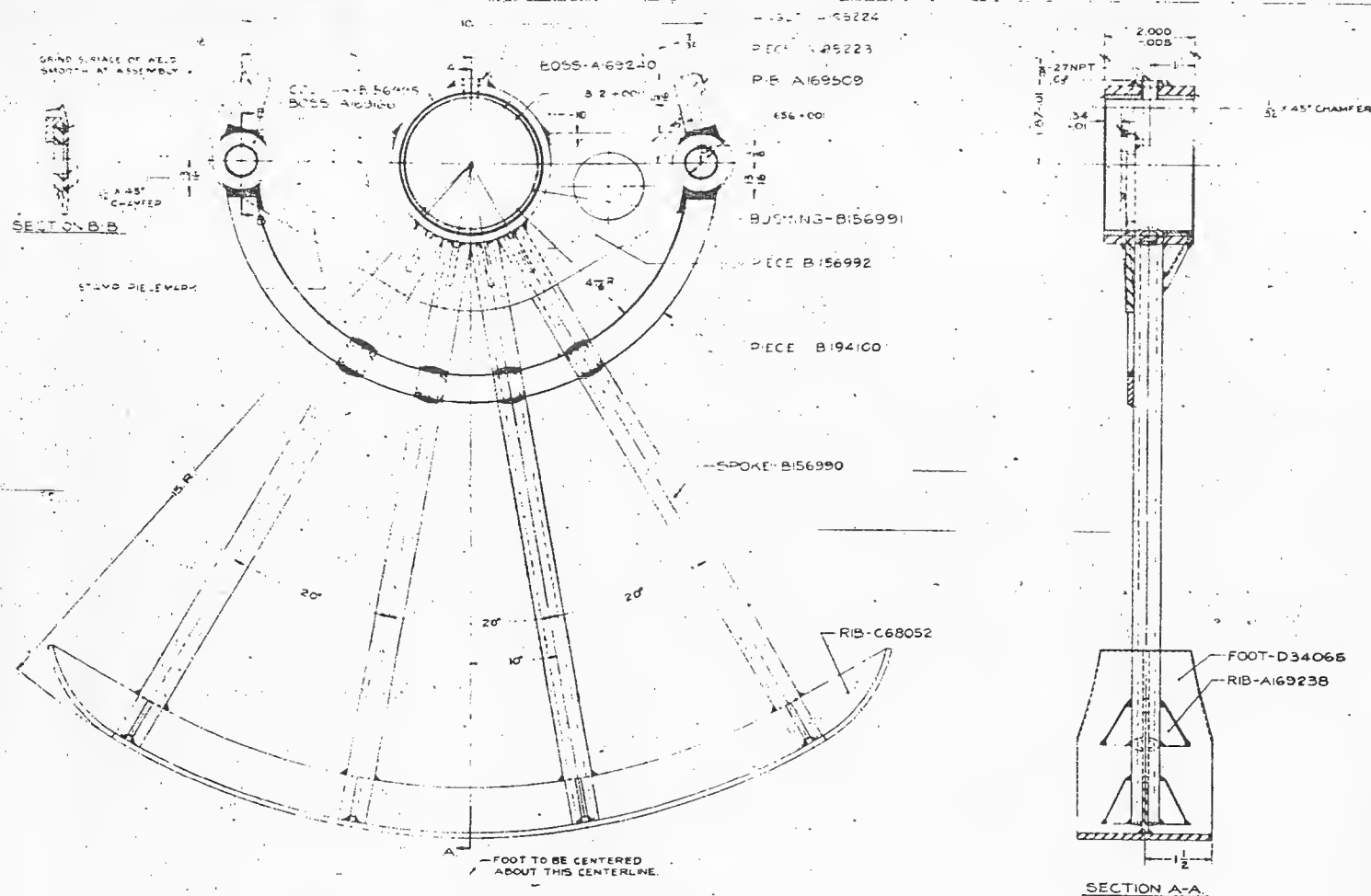


1 2 3 4 5 6 7 8 9 10 11 INC-ED

JUNE 30 1939		CLASS	BRANCH	NAME
REVISONS				
2 10-45		SYMBOL		
2 15-15				
2 15-43				
DRG PERTAINS TO				
1-105-1		SUBMITTED		
1-120 :				
		EXAMINED		
		APPROVED BY CHIEF OF TA		
D33954		ORDNANCE DI MADE AT ROCK IS		

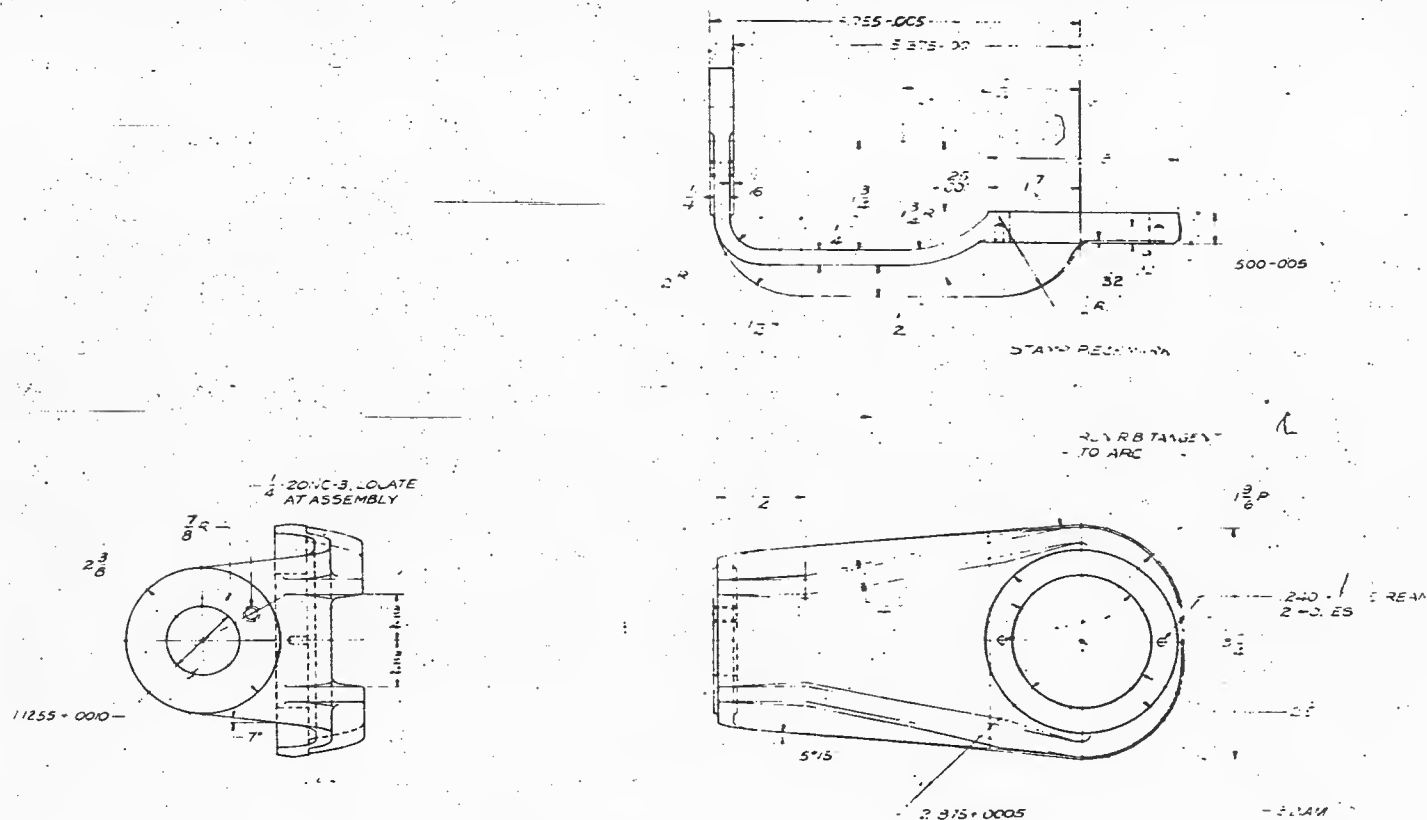
MICROFILM - A44 - 504





JUNE 30, 1939		CLASS	SECTION	SUBSECTION	FILE
REVISIONS					
1	A-14-41				
2	(11-18-41)	SYMBOL			
DRG PERTAINS TO		W.T.N.	DATE	TYPE OF CHANGE	
D34074		W.T.N.	11-18-41	D-1	
		SUBMITTED		2-1	
		EXAMINED		W.T.N. 11-18-41	
		APPROVED BY		W.T.N. 11-18-41	
		ORDNANCE DEPT. U.S.A.		MADE AT ROCK ISLAND ARSENAL	
D34077					


MICROFILM - A44 - 523

[illegible]

PIECE  
STEEL W.D. 1.110  
NORMALIZED

NOTE  
ALL DRAFT TO BE 7°  
ALL RAD. UNLESS OTHERWISE  
SPECIFIED TO BE  $\frac{1}{4}$ "

SCALE: C67808

SYMBOL		
DIRECTION .. ENCLIP ..	10/11/16 	1 PG DRAFT ENCL DRAFT <i>Dag</i>
SUBMITTED:		
ORD DEPT U S APPROVED BY CHIEF OR BY THE CHIEF OF ORDNANCE  ORD DEPT U S		
ORDNANCE DEPT. U. S.		

DE AT ROCK ISLAND ARS.

MICROFILM - A 44 - 521

HEAT TREATMENT AND FINAL FINISH

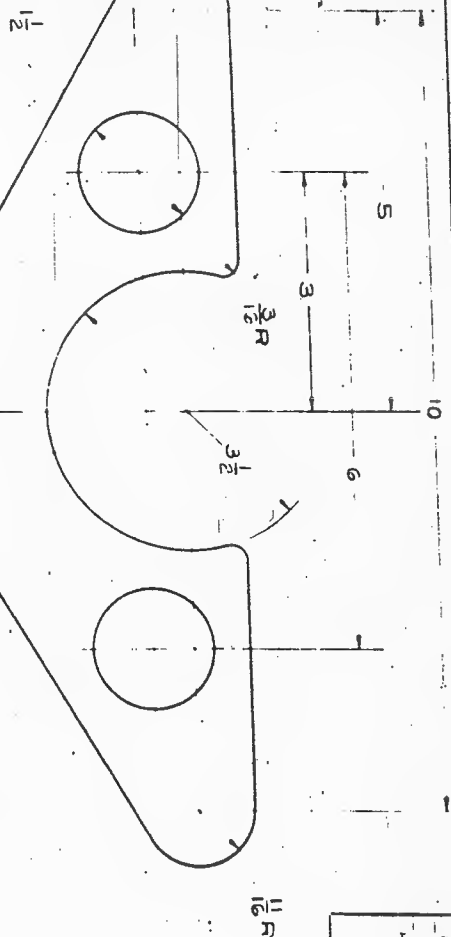
PHYSICAL  
PROPERTIES

JUNE 30,  
REVISIO  
1 4-12-40

TEMP  
T P  
B1  
MID  
HARD  
SCL

ORG PERTAI

D34077



PIECE  
LOW ALLOY STEEL, GRADE 2  
 $\frac{3}{16}$  THICK, NORMALIZED  
①

SCALE  $\frac{1}{2}$  B156992

ORDNANCE DE  
MADE AT MOSBY IS

RECEIVED BY  
SUBMITTED

SYMBOL

MICROFILM - A44 -

53

HEAT TREATMENT AND FINAL FINISH

PHYSICAL  
PROPERTIES

JUN

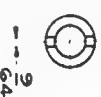
TEMP  
T P  
T S  
HARD  
SCL

1 9-18  
2 4-12  
3 7-28

MED  
BR  
ROCK  
SCL

ORG

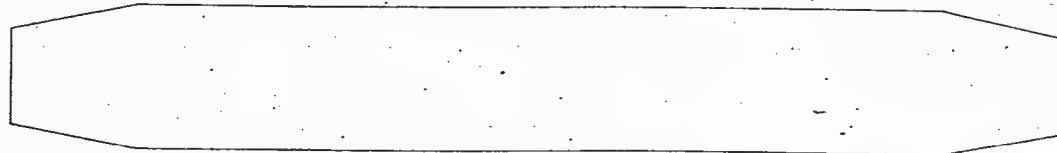
D3407



SPOKE  
TUBING, SEAMLESS STEEL, W.D. 10.00  
120 WALL THICKNESS

SCALE  $\frac{1}{2}$  B156992

ORDN/

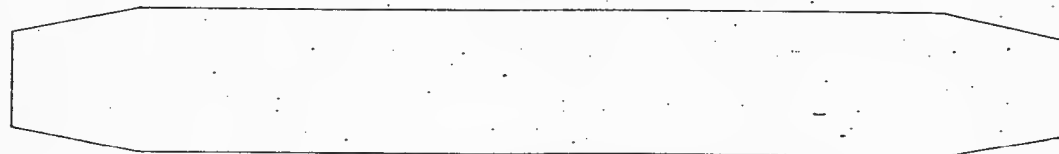


DEVELOPED LENGTH

FOOT ① D34065  
LOW ALLOY STEEL, GRADE 2  
1/8" THICK, NORMALIZED

JUNE 30, 1959	
REV. SHEET	1 4 1240
SYMBOL	
DRG. PERTAINS TO	
D34077	1 1240
SUBMITTED	
EXAMINED	
SCALE 1/1	
D34065	ORDNANCE DEPT U S A
MADE AT ROCK ISLAND ARSENAL	

MICROFILM - A 44 - 536



DEVELOPED LENGTH

FOOT ②4065  
LOW ALLOY STEEL GRADE 2  
1/8 THICK, NORMALIZED

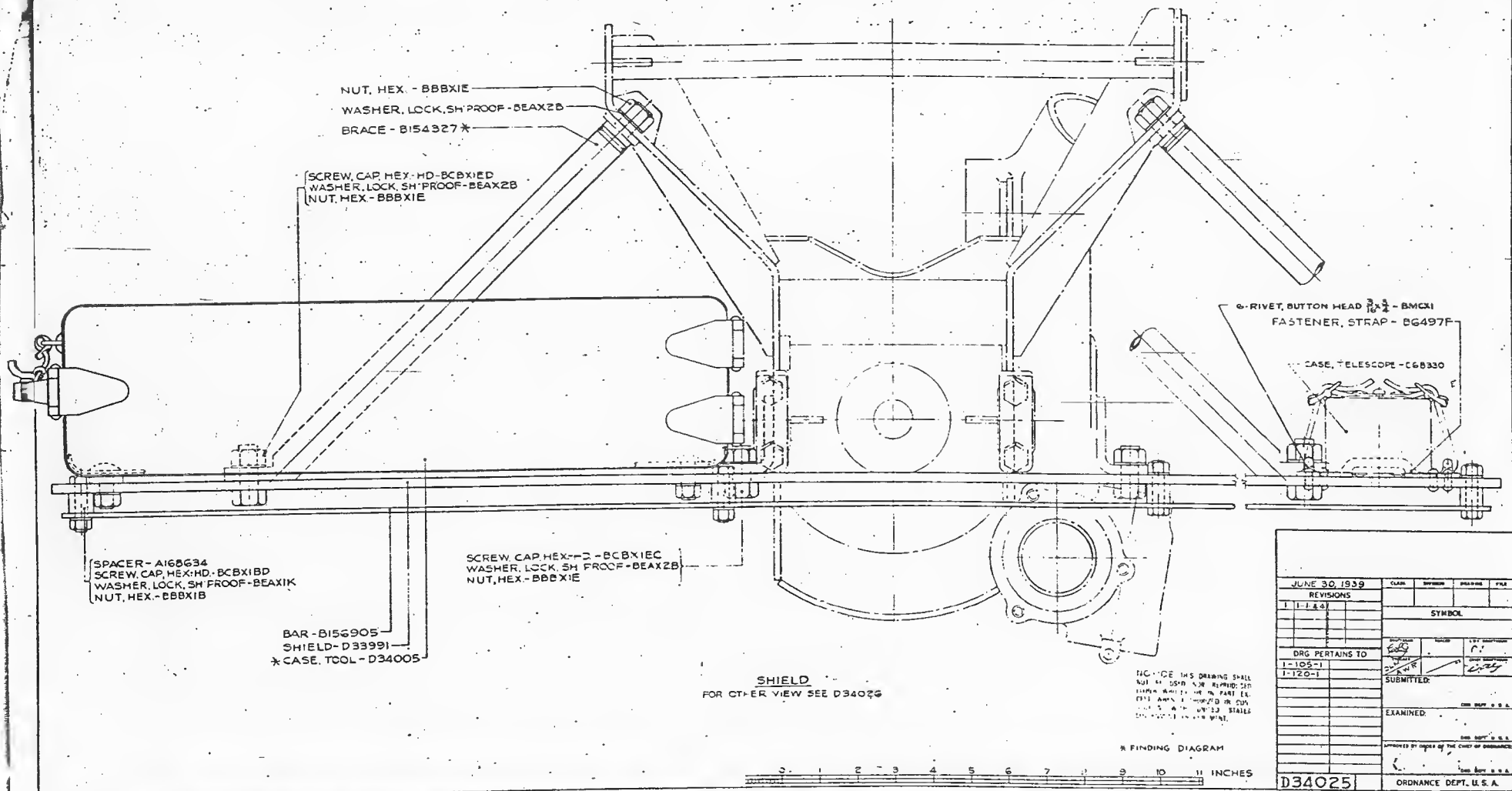
①

SCALE

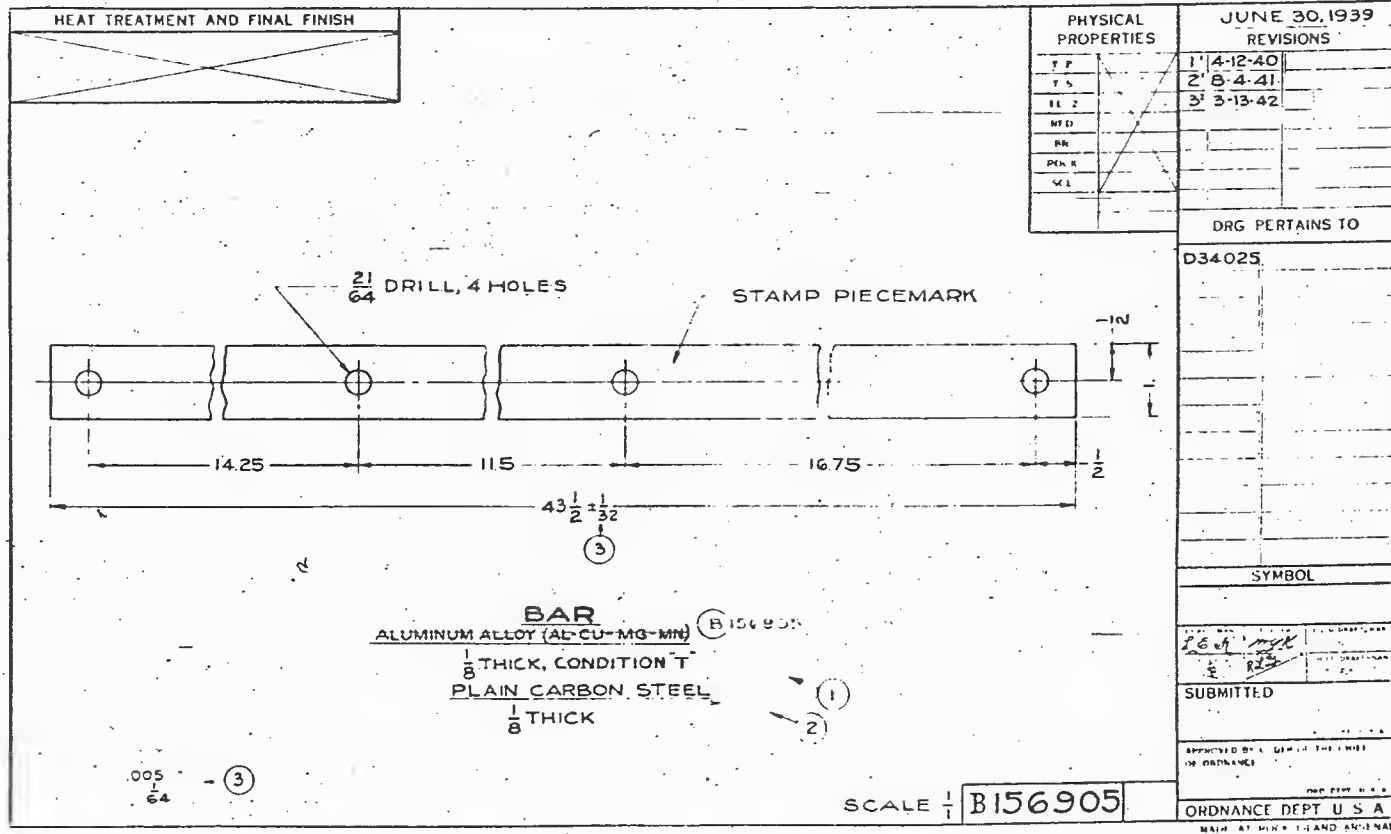
JUNE 30, 1939	
REV. NO.	SYMBOL
1 4 12 40	
DRG. REFERS TO	
D34077	
SUBMITTED	
EXAMINED	
ORDNANCE DEPT U S A	
MADE AT ROCK ISLAND ARSENAL	

MICROFILM - A44 - 536

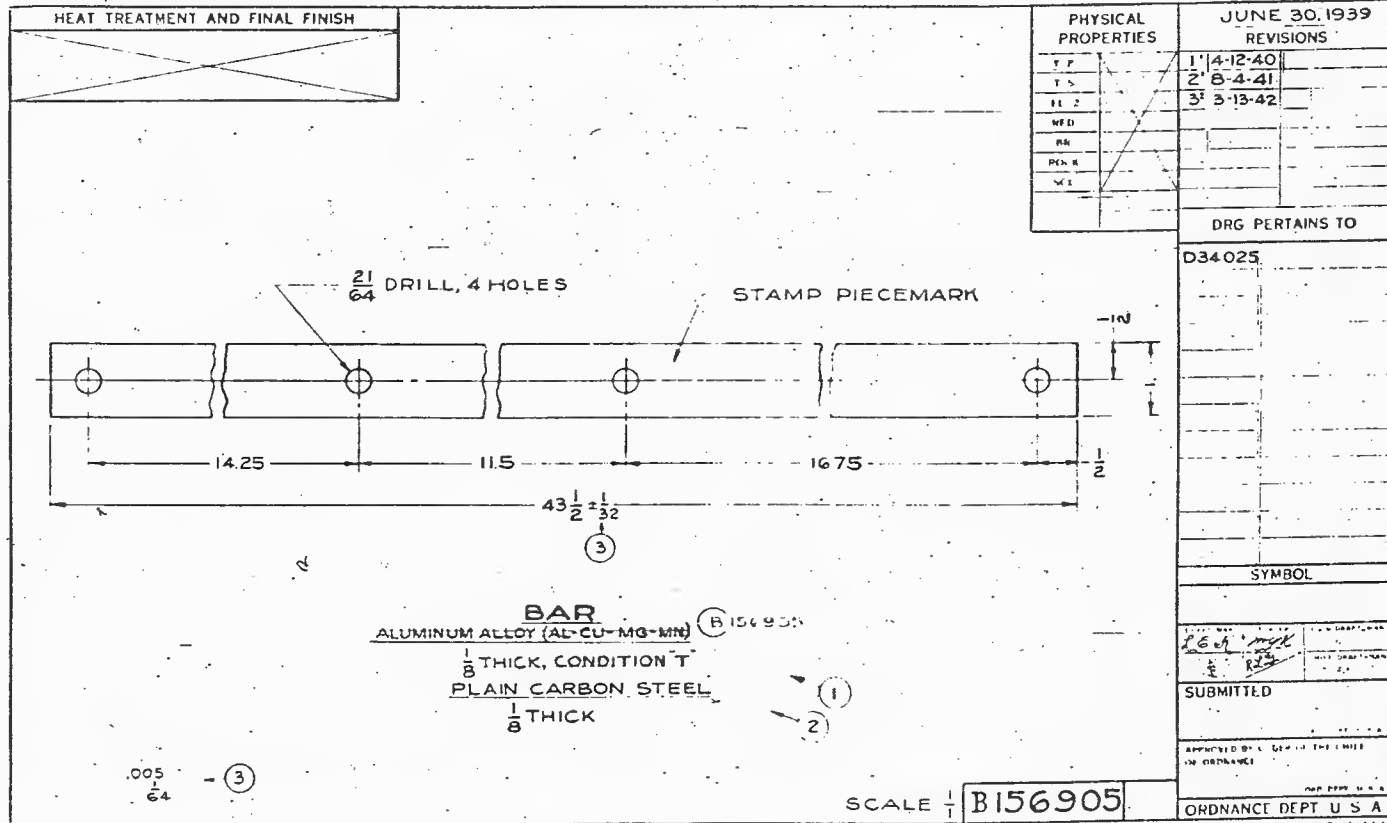




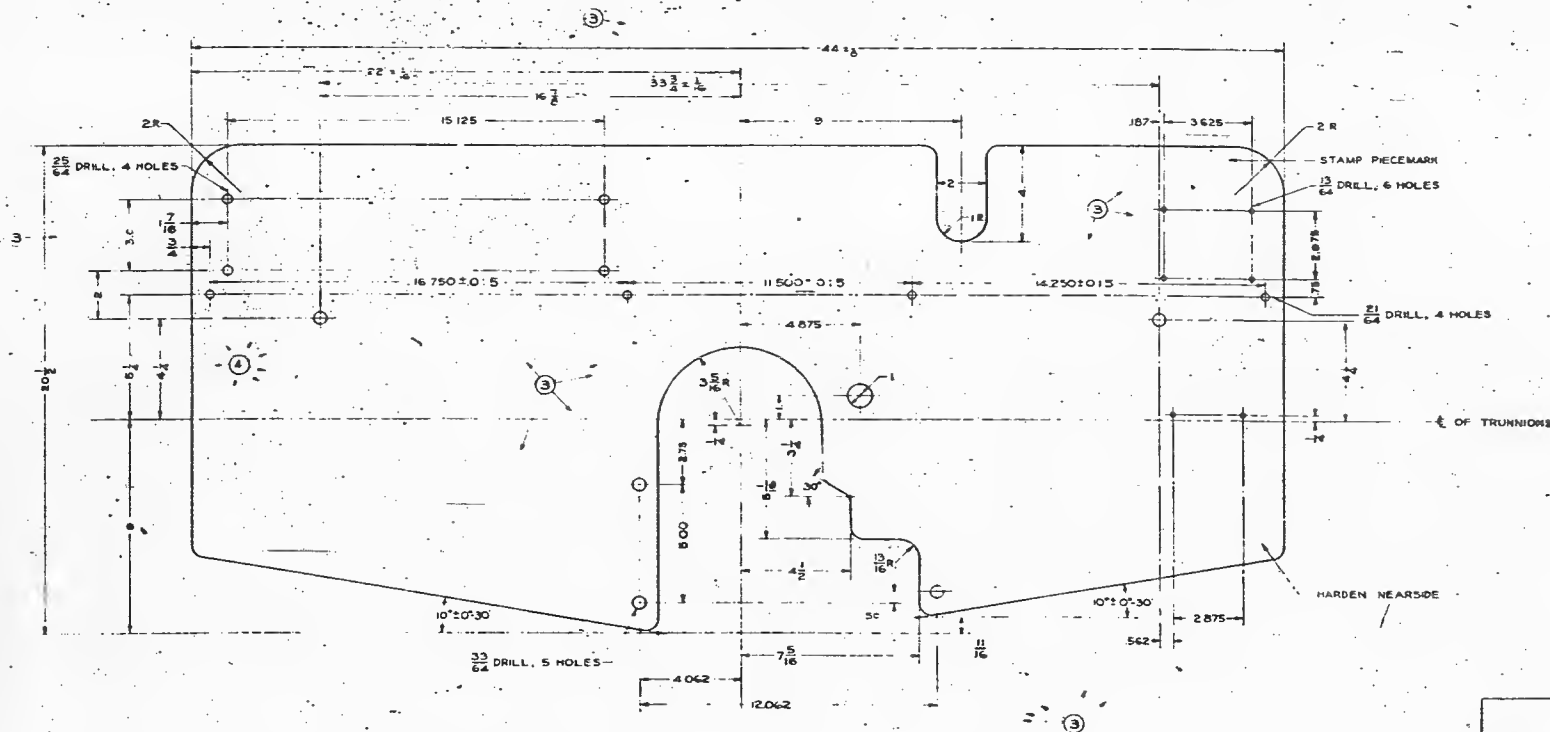
MICROFILM - A44 - 538



MICROFILM - A44 - 5 1 1



MICROFILM - A 44 - 5 1 1

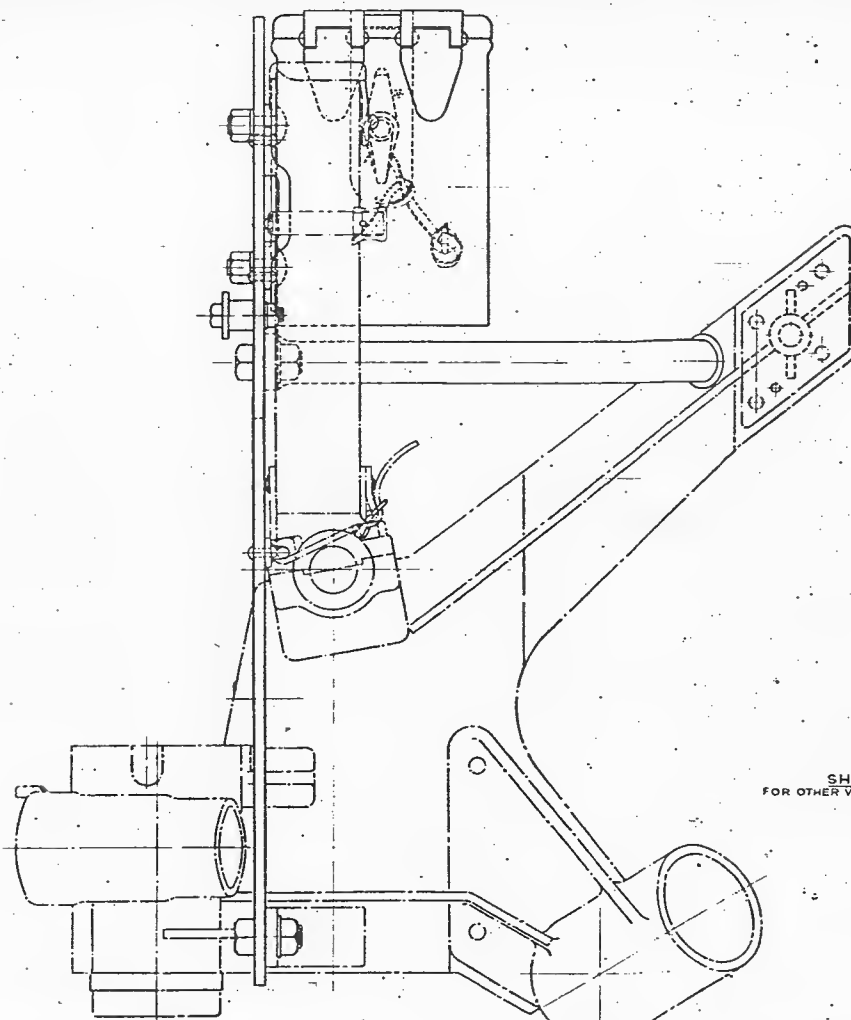


SHIELD  
ARMOR PLATE D33991  
NOTE - ALL RADII  $\frac{1}{2}$  UNLESS OTHERWISE SPECIFIED

JUNE 30, 1939		REVISED	
1	5-30-39	SYMBOL	
2	9-11-39		
3	11-25-39		
4	5-15-40		
DRG PERTAINS TO D34025		DLM	QPR
		SUBMITTED	
		EXAMINED	
		ORDNANCE DEPT. U.S.A.	
		MADE AT ROCK ISLAND ARSENAL	

SCALE 1/2 D33991

MICROFILM - A44 - 542

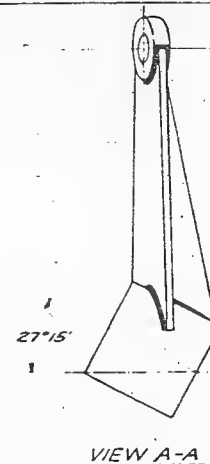


SHIELD  
FOR OTHER VIEW SEE D34025

0 1 2 3 4 5 6 7 8 9 10 11 INCHES

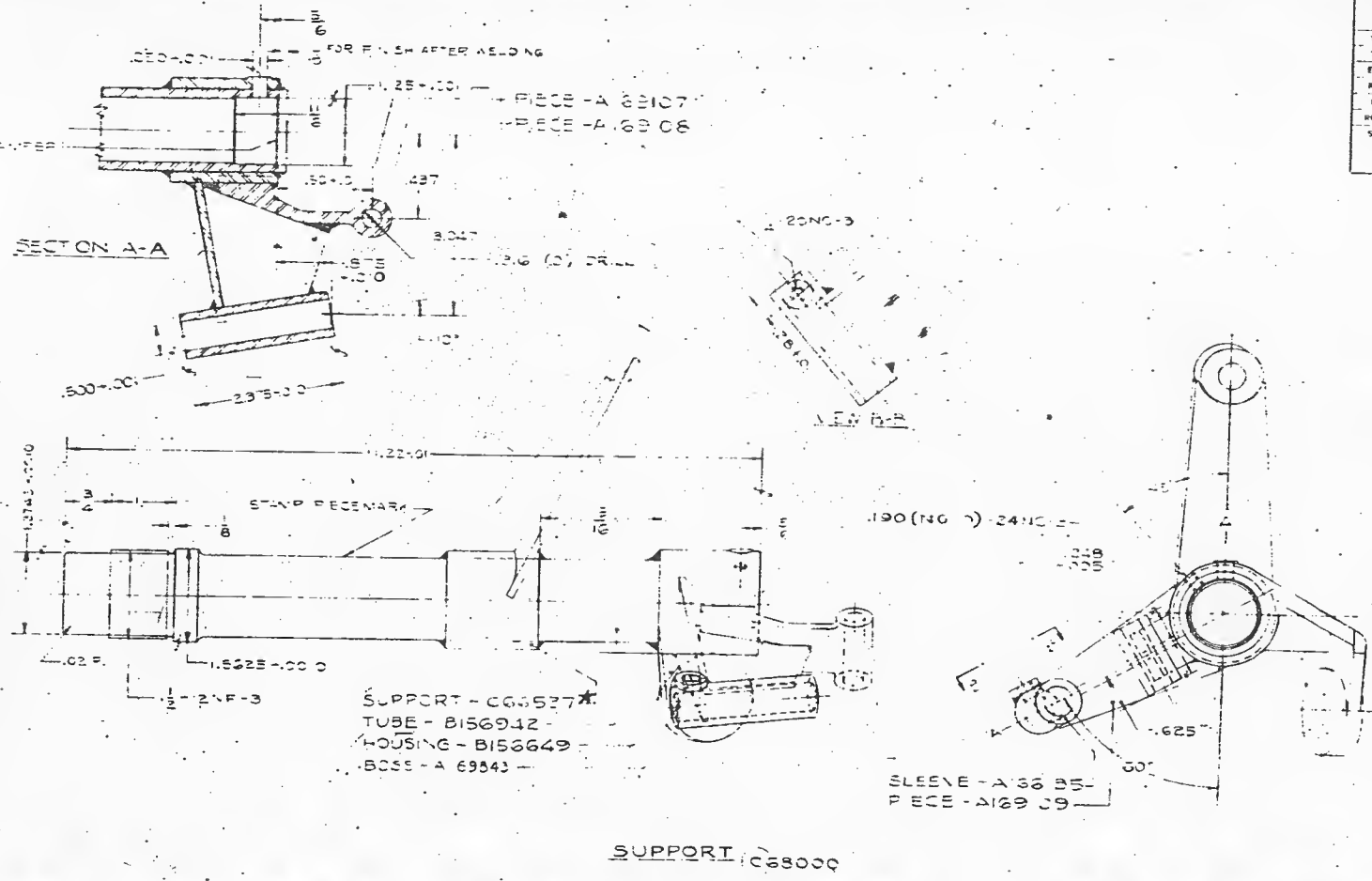
JUNE 30, 1939		CLASS	DIVISION	DESIGNER	U.S.
REVISIONS					
SYMBOL					
DRG PERTAINS TO		625 2-2-46 D34025 8 2-2-46 224			
SUBMITTED:		2-2-46 224			
EXAMINED:		2-2-46 224			
APPROVED BY ORDER OF THE CHIEF OF ORDNANCE		2-2-46 224			
D34026		ORDNANCE DEPT. U. S. A.			
MADE AT ROCK ISLAND ARSENAL					

MICROFILM - A44 - 543

[illegible]

SYMBOL		
DRAFTSMAN <i>W.T.N.</i>	TRACE	I.D.C. DRAFTSMAN
CHECKER <i>D.L.M.</i>	<i>/</i>	CHIEF DRAFTSMAN <i>203</i>
SUBMITTED:		
<div style="text-align: right;">DDO DEPT. U.S.A.</div> <div style="text-align: center;">             APPROVED BY ORDER OF THE CHIEF              OF ORDNANCE  <i>[Signature]</i>              DDO DEPT. U.S.A.           </div>		
ORDNANCE DEPT. U.S.A.		

MICROFILM - A44 - 552



JUNE 30, 1959	
PHYSICAL PROPERTIES	REVISIONS
T.P.	
T.S.	
FL 2	
RED	
BR	
ROCK	
SCL	
DRG PERTAINS TO	
034054	

SYMBOL	
24	24
SUBMITTED	
APPROVED BY: (Signature) DATE: 6/1/59	
ORDNANCE DEPT. U.S.A.	
MADE AT ROCK ISLAND ARSENAL	

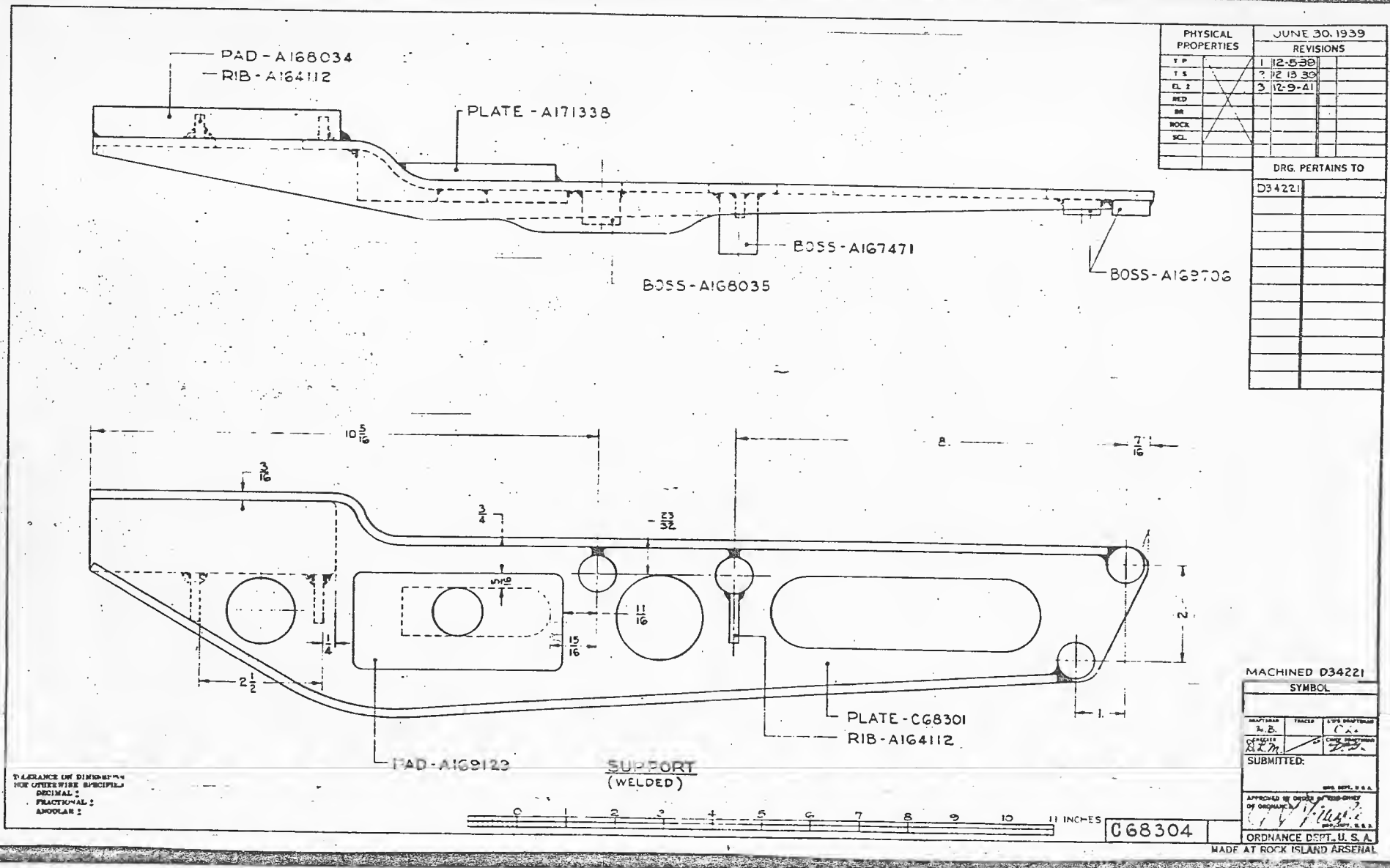
★ FINDING DIAGRAM

SCALE 1/ C68000

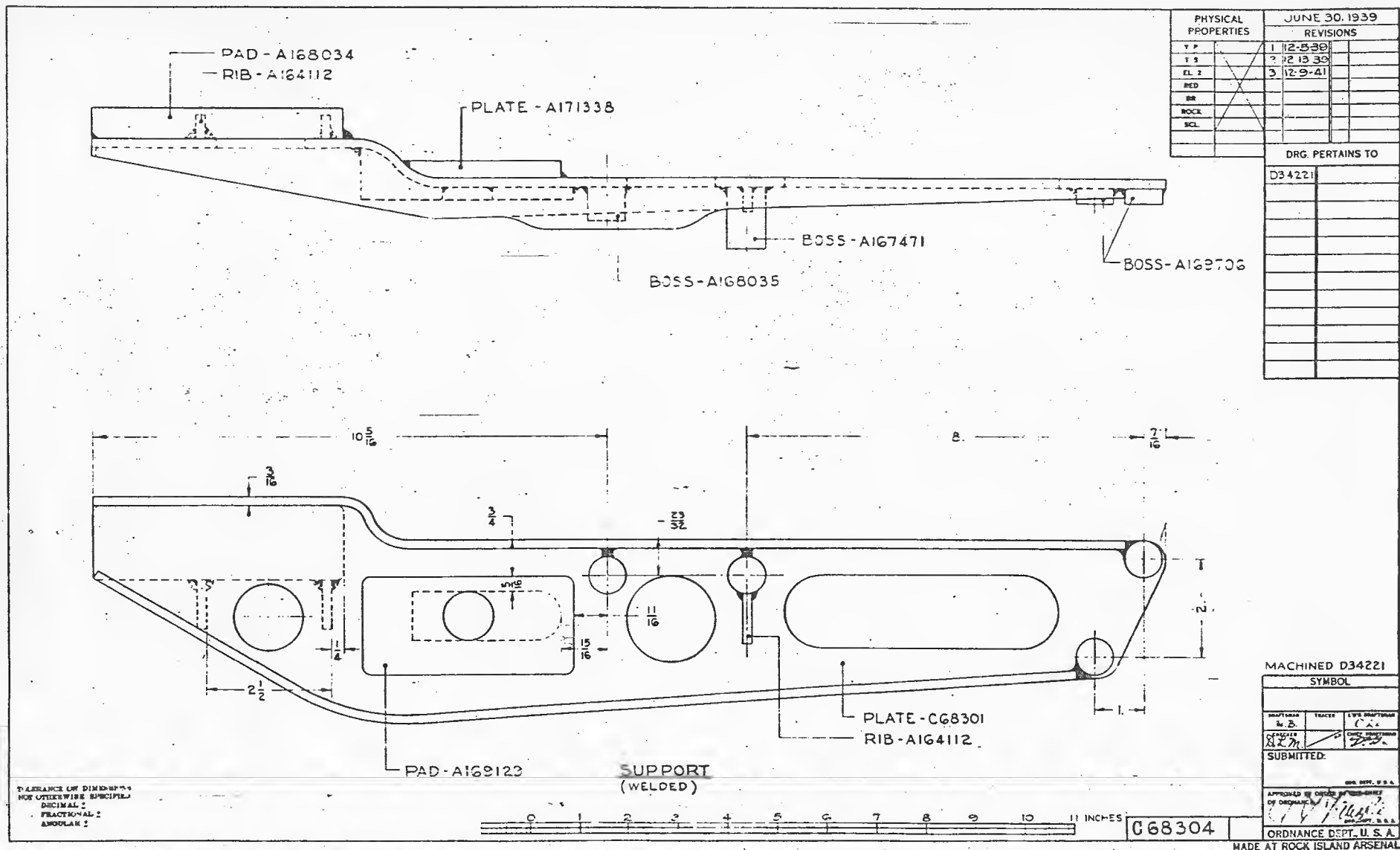
MICROFILM - A44 - 560







MICROFILM - A44 - 587



MICROFILM - A44 - 507

DRG PERTAINS TO

16834

SECTION A-A

(C 6830)

③

SCA-2 - C68301

ORDNANCE DEPT. U S A  
MADE AT ROCK ISLAND ARSENAL

MICROFILM - A 44 - 504

DRG PERTAINS

100

PROPERTY

V.P.	
T.S.	
EL. 2	
RED	
DR	
ROCK	
SCL	

SECTION A-A

1 R

2 R

3 R

4 R

5 R

6 R

7 R

8 R

9 R

10 R

11 R

12 R

13 R

14 R

15 R

16 R

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396 R

397 R

3

PLATE  
LOW-ALLOY STEEL GRADE 2  
3/16 THICK, NORMALIZED

C6830

③

SYMBOL	
DISPOSITION <u>30</u> (INCL) <u>1</u> DATE <u>1</u>	TO FROM BY DATE
SUBMITTED	
APPROVED BY ORDER OF THE C OF ORDNANCE	

CC-4 - C68301

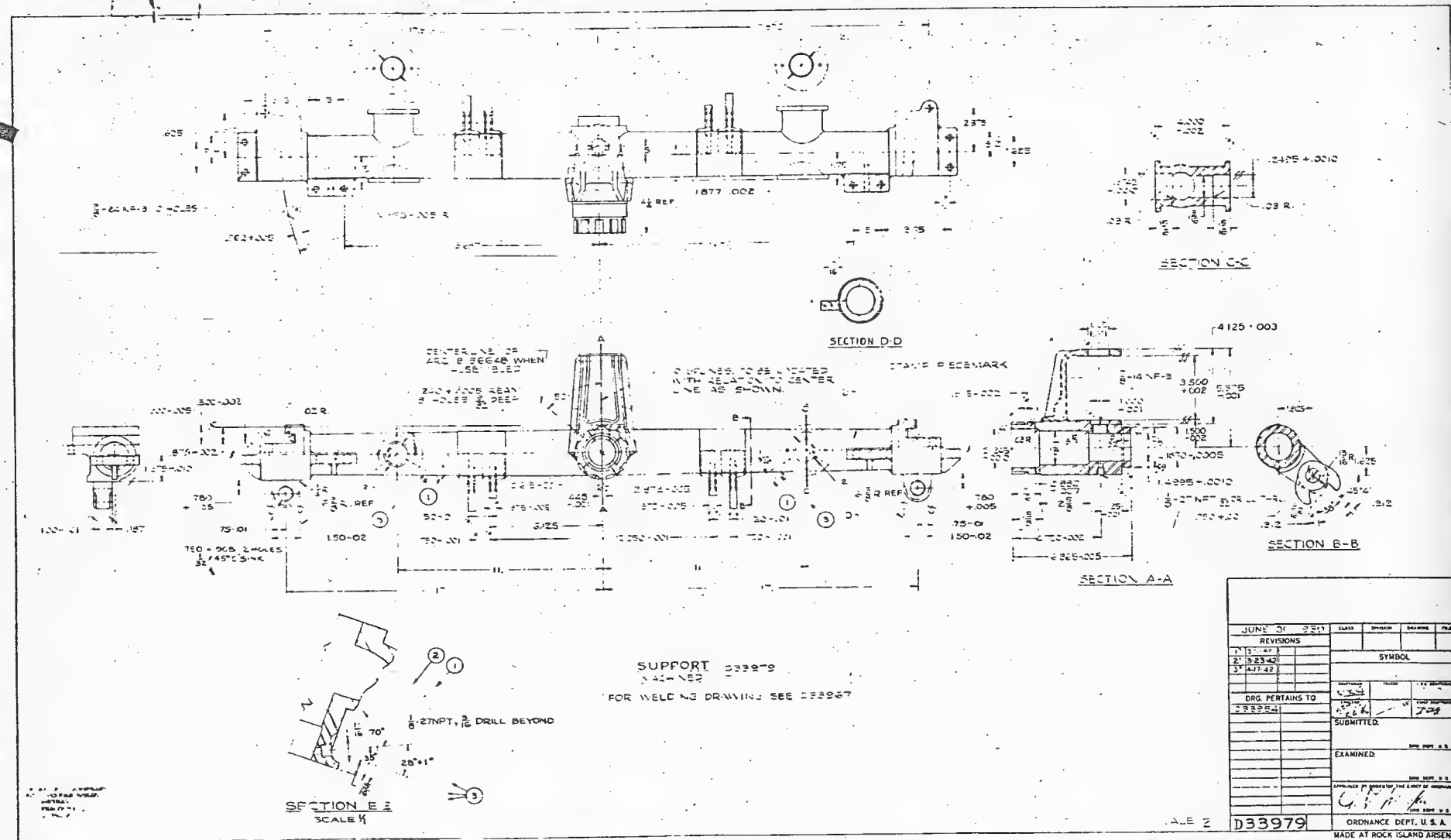
ORDNANCE DEPT. U  
MADE AT ROCK ISLAND AR

MICROFILM - A44 - 501





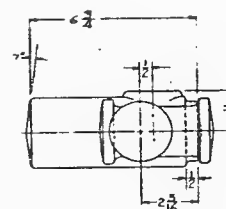
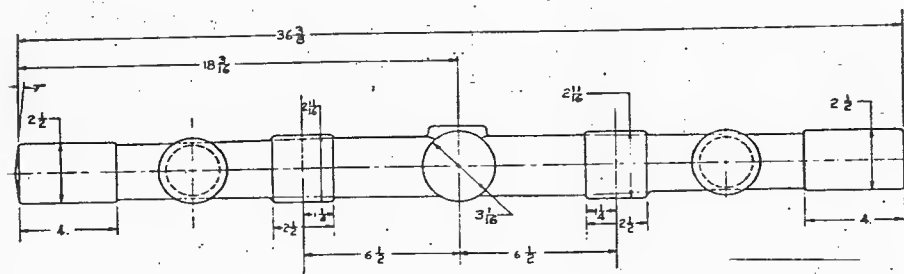




MICROFILM - A44 - 609



① ②



②

MATERIAL	SIZE
HAMMER	SIZE

(D34483)

②

DB4483

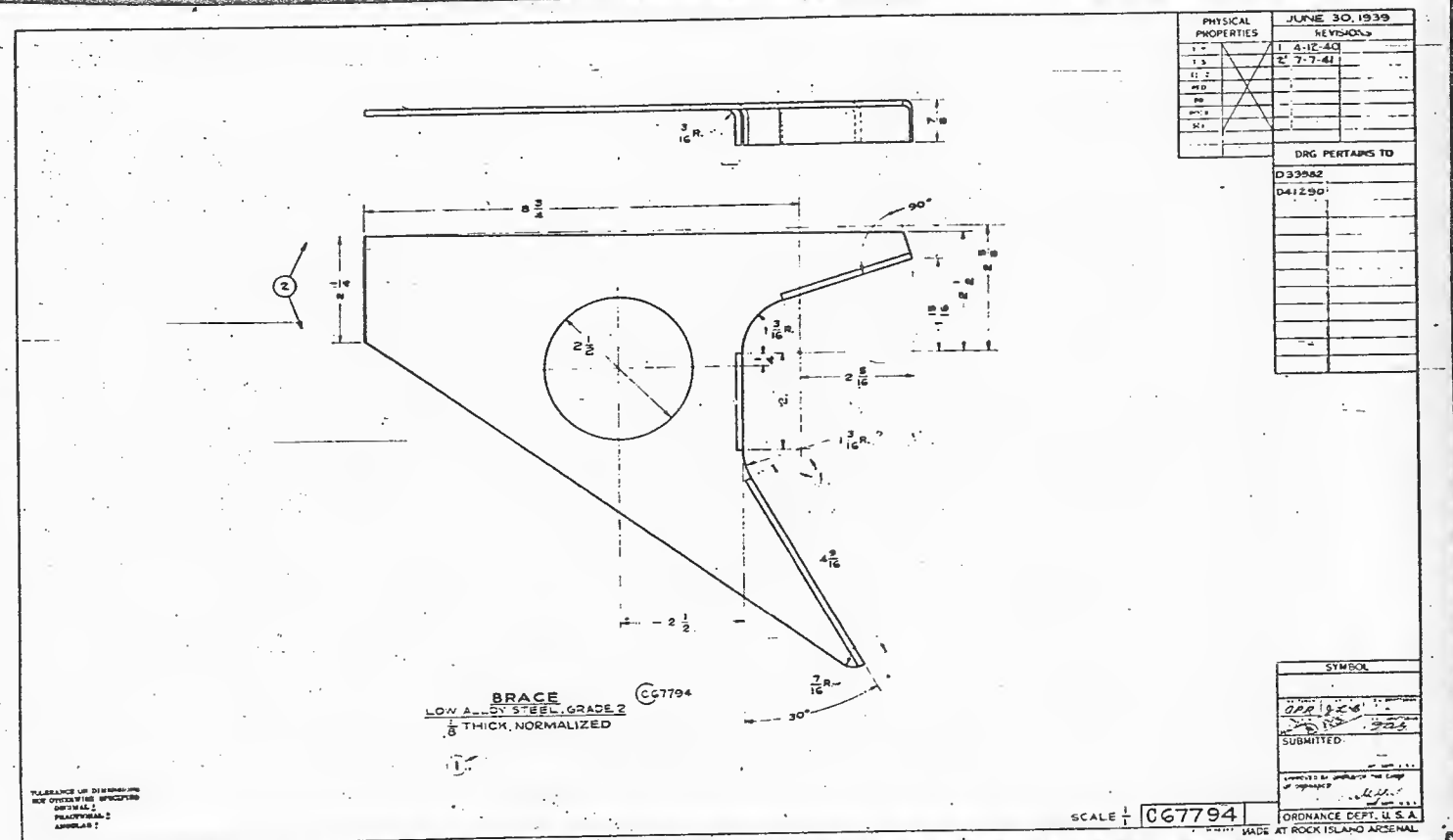
ORDNANCE DEPT. U.S.A.  
MADE AT ROCK ISLAND ARSENAL

MICROFILM - A 44 -

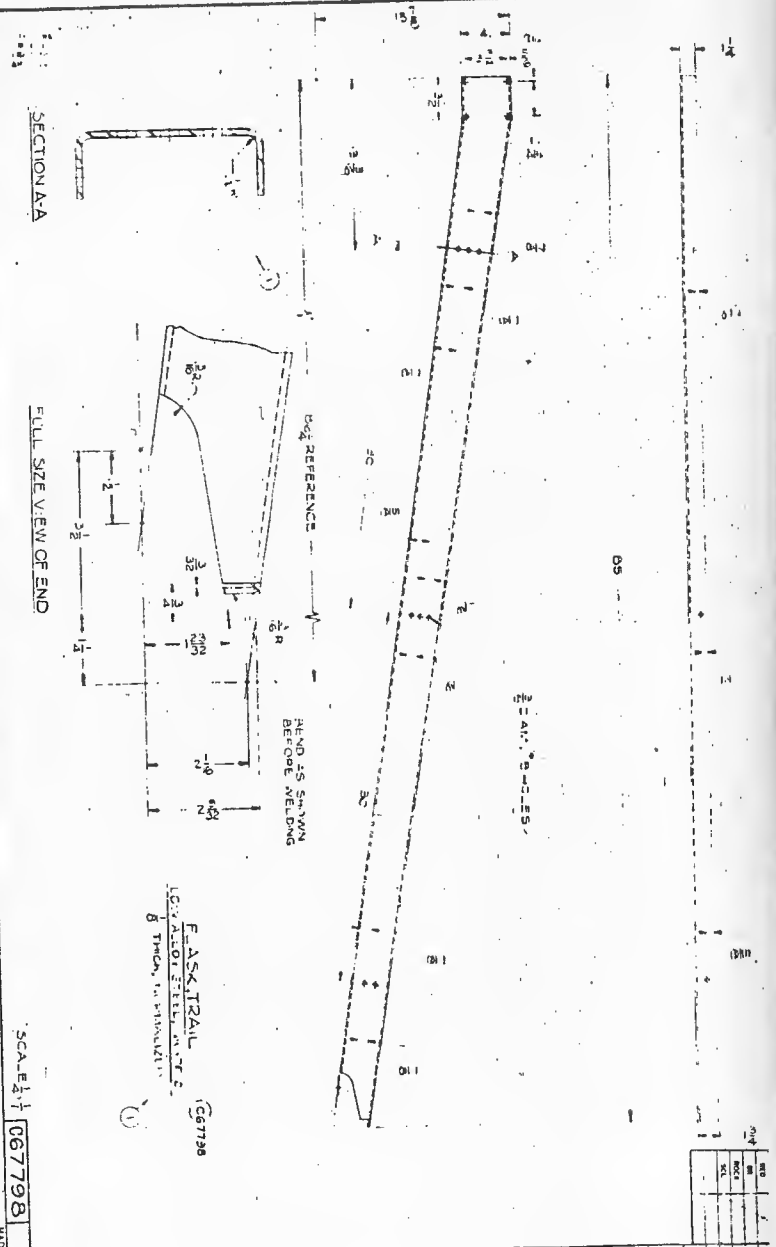
610



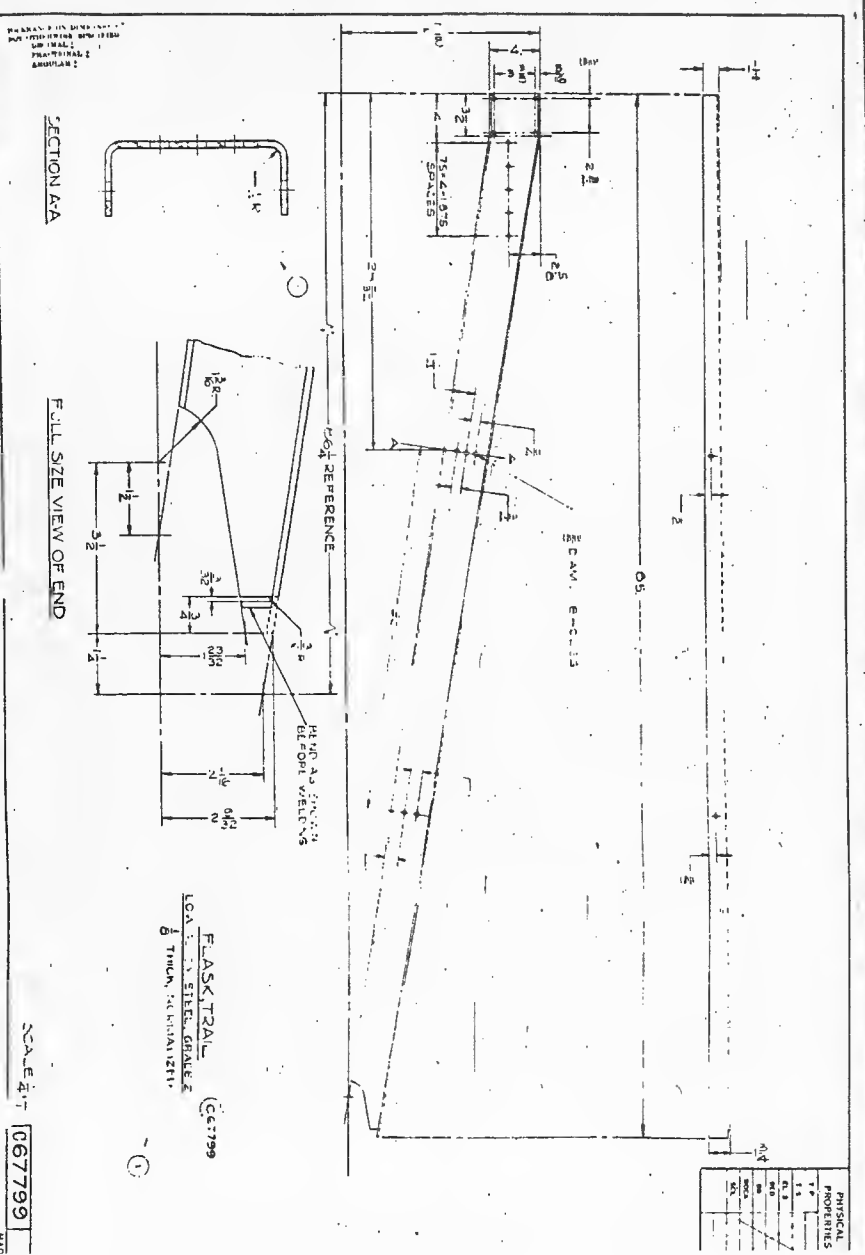




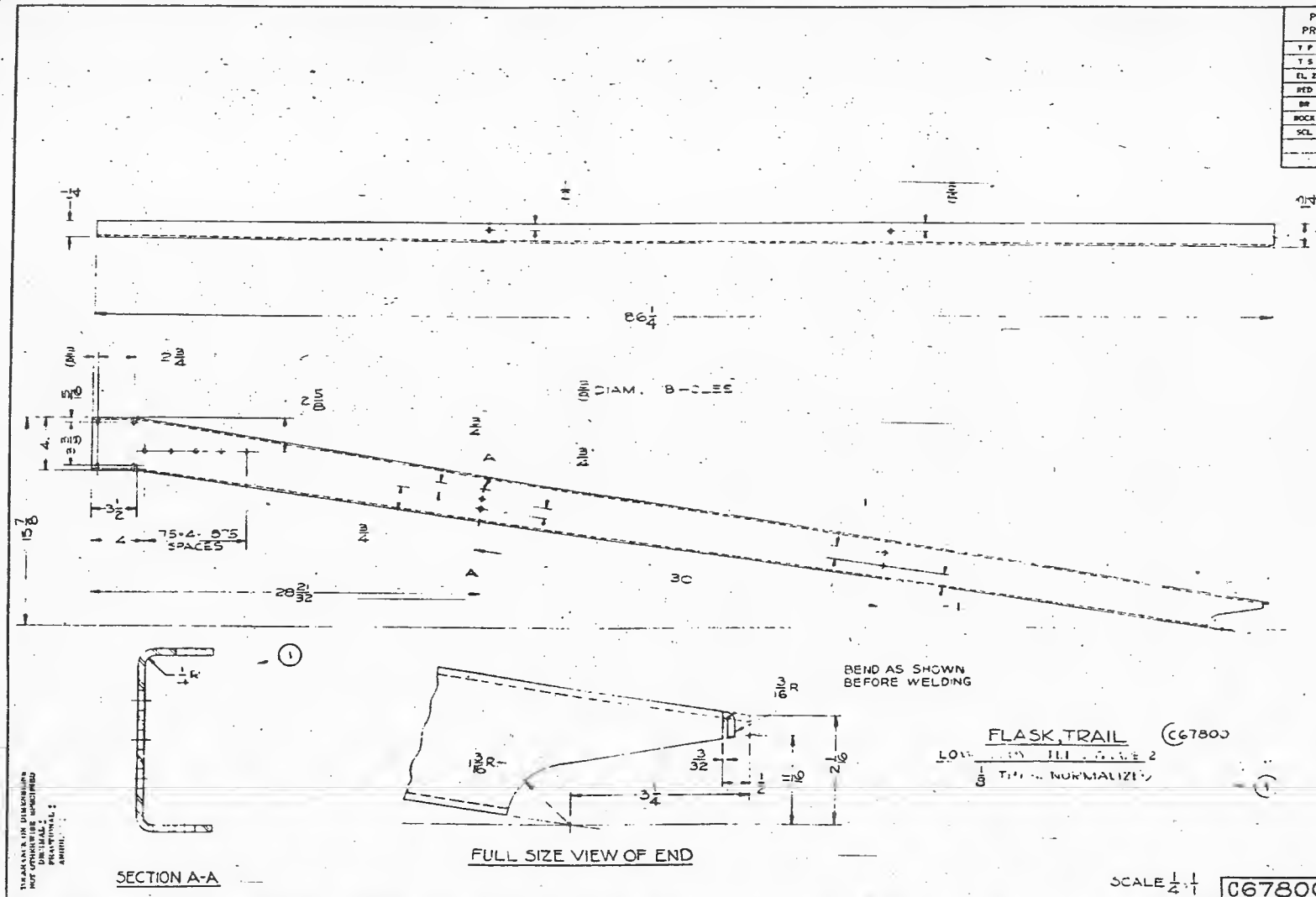
MICROFILM - A44 - 614



# MICROFILM - A 44 - 616







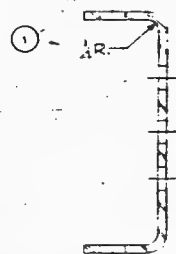
PHYSICAL PROPERTIES		REVISIONS	
T P		1	412-00
T S			
FL 2			
RED			
DR			
ROCK			
SCL			

DRG. PERTAINS TO	
C67800	
D41289	

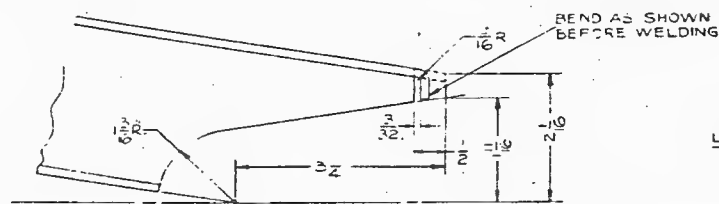
SYMBOL		
SECTION	1	1
CHECKED	DLM	1
SUBMITTED		
APPROVED BY CHIEF OF THE CHIEF OF ORDNANCE		
ORDNANCE DEPT. U.S.A.		
MADE AT ROCK ISLAND ARSENAL		

MICROFILM - A44 - 625

DRG PERTAINS TO

D41289

SECTION A-A



FULL SIZE VIEW OF END

FLASK TRAIL (C67801)  
LOW ALLOY STEEL, GRADE 2  
THICK, NORMAL SED

SCALE  $\frac{1}{4}$ .

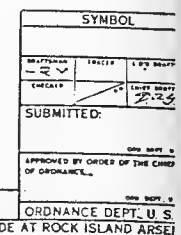
067801

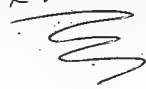
SYMBOL	
DESCRIPTION <i>60</i>	700 IN U.S. DEPT.
QNTY REQD. <i>1-2</i>	(UNIT PRICE) <i>1.00</i>
SUBMITTED:	
JED DEPT. 3	
APPROVED BY ORDER OF THE CHIEF OF ORDNANCE	
JED DEPT. 3	
ORDNANCE DEPT. U. S.	

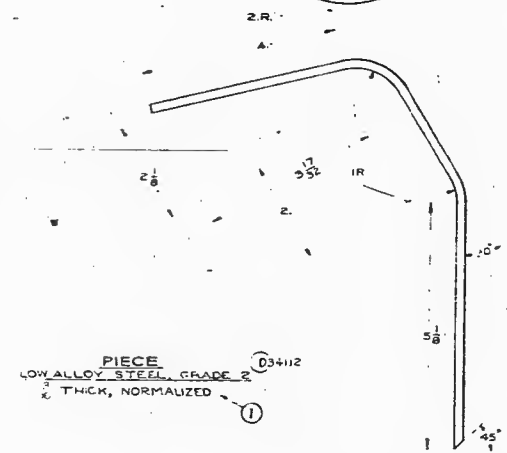
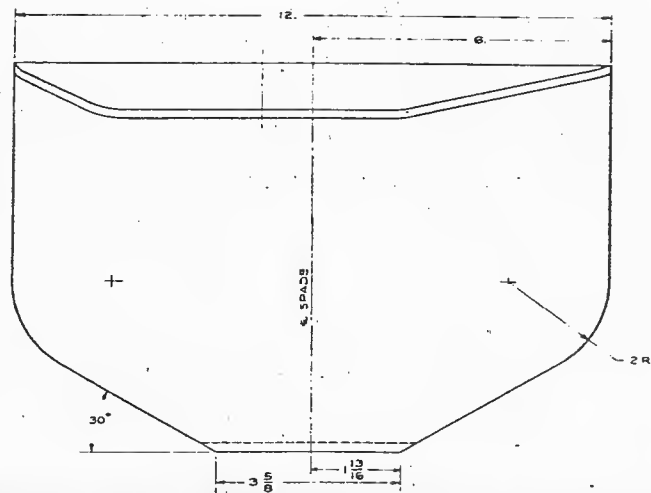
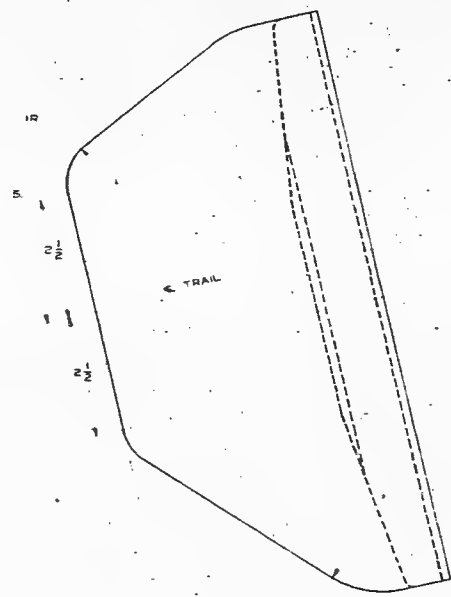
MADE AT ROCK ISLAND ARSENAL

MICROFILM - A 44 - 626





3/16 X 12 X 12  




PIECE  
 LOW ALLOY STEEL, GRADE 2  
 3/8 THICK, NORMALIZED  
 D34112  
 ①

JUNE 30, 1939	
REVISIONS	SYMBOL
1 4-12-40	
DWG PERTAINS TO D33503 D-41209	APR 2 1939 SUBMITTED
	EXAMINED
SCALE 1	D34112
ORIGINAL DEPT OF A MADE AT ROCK ISLAND ARSENAL	

MICROFILM - A44 - 628

GUARD {B15668A-R.H.  
B15668B-L.H.

FITTING-A168822  
PIN, TAPER-BFCXIGG

PIN, TAPER-BFCXIGG  
COLLAR-A169239

SCREW, CAP-BCBXICA  
WASHER, LOCK, SHKPF-BEARIL

PIN-A164758  
PIN, COTTER-BFAXIC

SCREW-A 58751  
STAKE END, AT ASSEMBLY

SPRING, HELICAL-A 69305

PLUNGER-A 69304

SEGMENT-D34077

HANDLE-B152508  
PIN-A157997  
PIN, ROD END-BFFXID

WASHER, PLAIN-BEBXIK  
PIN, COTTER-BFAXICD  
WASHER, PLAIN-BEBXIG  
PIN, COTTER-BFAXIBB

VIEW A-A

APRON-C69288\*

WHEEL SEGMENT AND APRON

\* FINDING DIAGRAM

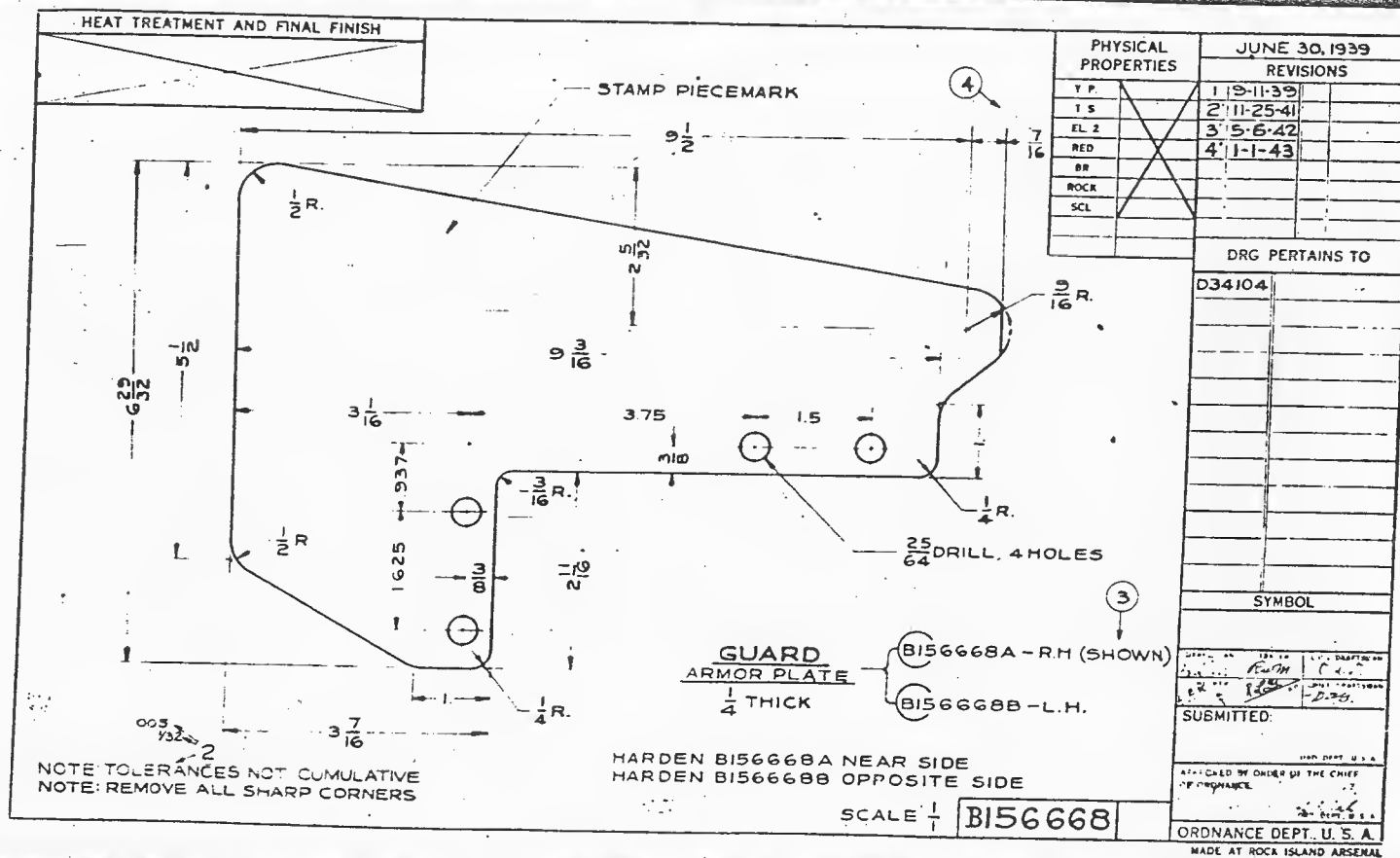
0 1 2 3 4 5 6 7 8 9 10 11 INCHES

UNLESS OTHERWISE SPECIFIED  
ALL DIMENSIONS ARE IN INCHES  
FRACTIONS ARE IN 16ths

JUNE 30, 1939		CLASS	ISSUED	REVISION
REVISIONS				
1	12-19-51	SYMBOL		
DRG PERTAINS TO		DESIGNED	CHECKED	TESTED
1-105-1		1-105-1	1-105-1	1-105-1
1-120-1		SUBMITTED		
		EXAMINED		
		APPROVED BY CHIEF OF DESK		
		APPROVED BY CHIEF OF DESK		
D34104		ORDNANCE DEPT. U.S.A.		
MADE AT ROCK ISLAND ARS				

MICROFILM - A44 - 657





MICROFILM - A44 -

665